

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP070820\
 Data File : BP002675.D
 Acq On : 08 Jul 2020 15:10
 Operator : CG/JU
 Sample : L3194-01
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 TUNNEL-WALL-WASHWATER(EXH)

Integration Parameters: rteint.p

Integrator: RTE

Smoothing : ON

Sampling : 1

Start Thrs: 0.2

Stop Thrs : 0

Filtering: 5

Min Area: 3 % of largest Peak

Max Peaks: 100

Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >

Peak separation: 5

Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP062920.M

Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.205	388	394	419	rVB	709965	1252328	13.70%	1.440%
2	6.634	630	637	644	rBV2	88679	184891	2.02%	0.213%
3	6.787	656	663	675	rBV	422671	841712	9.21%	0.968%
4	7.563	789	795	804	rVB	485824	780993	8.54%	0.898%
5	7.652	804	810	819	rBV	105750	177236	1.94%	0.204%
6	7.887	841	850	857	rBV	1822077	2987324	32.68%	3.435%
7	8.199	895	903	916	rBV	61292	137194	1.50%	0.158%
8	8.710	983	990	1000	rBV	1482094	2488585	27.22%	2.861%
9	8.816	1002	1008	1015	rVV	104071	189282	2.07%	0.218%
10	8.893	1015	1021	1029	rVB	107346	172569	1.89%	0.198%
11	9.704	1144	1159	1162	rBV	338387	938218	10.26%	1.079%
12	9.746	1162	1166	1177	rVB	241127	461119	5.04%	0.530%
13	9.893	1187	1191	1205	rVB	58249	123154	1.35%	0.142%
14	10.340	1260	1267	1283	rVB	708459	1244122	13.61%	1.431%
15	10.981	1370	1376	1389	rVB2	101923	218542	2.39%	0.251%
16	11.210	1404	1415	1428	rBV2	622644	1699429	18.59%	1.954%
17	11.322	1428	1434	1443	rVB2	179449	327765	3.59%	0.377%
18	12.122	1564	1570	1581	rBV	579112	1036858	11.34%	1.192%
19	12.528	1633	1639	1645	rBV2	322830	567902	6.21%	0.653%
20	12.581	1645	1648	1655	rVB6	60181	123397	1.35%	0.142%
21	12.728	1668	1673	1684	rBV3	79475	217959	2.38%	0.251%
22	12.828	1684	1690	1705	rVV	3990173	6140064	67.17%	7.060%
23	12.987	1711	1717	1725	rBV3	123719	287040	3.14%	0.330%
24	13.134	1737	1742	1749	rBV	178789	288053	3.15%	0.331%
25	13.251	1755	1762	1766	rBV3	87582	197612	2.16%	0.227%
26	13.445	1790	1795	1805	rVB2	134331	267864	2.93%	0.308%
27	13.681	1827	1835	1847	rBV	929427	1582045	17.31%	1.819%
28	13.781	1847	1852	1858	rBV	319306	528239	5.78%	0.607%
29	13.939	1874	1879	1884	rBV4	134611	229207	2.51%	0.264%
30	14.051	1894	1898	1902	rBV2	197571	325370	3.56%	0.374%
31	14.216	1920	1926	1935	rVV	1255427	1878557	20.55%	2.160%
32	14.357	1946	1950	1955	rBV3	54283	95912	1.05%	0.110%
33	14.516	1973	1977	1980	rBV5	54996	101150	1.11%	0.116%
34	14.687	2002	2006	2016	rVB2	576099	896237	9.80%	1.031%

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 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	14.887	2036	2040	2045	rBV3	136169	221810	2.43%	0.255%
36	15.122	2076	2080	2084	rBV2	124766	182480	2.00%	0.210%
37	15.169	2084	2088	2094	rVV4	90073	188131	2.06%	0.216%
38	15.410	2125	2129	2142	rVB	188502	384557	4.21%	0.442%
39	15.592	2156	2160	2165	rVB2	190640	262422	2.87%	0.302%
40	15.645	2167	2169	2175	rVB5	77945	114084	1.25%	0.131%
41	15.716	2176	2181	2188	rBV	2662377	3869047	42.33%	4.449%
42	15.834	2197	2201	2204	rBV2	107359	154831	1.69%	0.178%
43	15.928	2213	2217	2221	rBV	161605	219029	2.40%	0.252%
44	15.975	2222	2225	2234	rVB2	240922	430665	4.71%	0.495%
45	16.098	2240	2246	2259	rBV	589506	1298571	14.21%	1.493%
46	16.328	2281	2285	2291	rBV	708341	958868	10.49%	1.103%
47	16.422	2297	2301	2306	rVB	480268	624873	6.84%	0.719%
48	16.510	2313	2316	2320	rVB2	112097	152327	1.67%	0.175%
49	16.792	2354	2364	2368	rBV2	498576	1035257	11.33%	1.190%
50	16.975	2390	2395	2400	rBV	1777193	2534393	27.73%	2.914%
51	17.204	2428	2434	2442	rBV2	439610	869183	9.51%	0.999%
52	17.298	2447	2450	2457	rVB3	147306	236568	2.59%	0.272%
53	17.669	2510	2513	2522	rVB4	332237	516398	5.65%	0.594%
54	17.922	2550	2556	2563	rBV	3718813	6034552	66.02%	6.939%
55	18.198	2600	2603	2611	rVB2	238976	296879	3.25%	0.341%
56	18.333	2623	2626	2631	rBV2	206737	329399	3.60%	0.379%
57	18.557	2662	2664	2668	rBV2	182762	210684	2.30%	0.242%
58	18.639	2673	2678	2683	rVV4	189805	428402	4.69%	0.493%
59	18.810	2704	2707	2711	rBV	429690	449254	4.91%	0.517%
60	19.163	2762	2767	2773	rBV	2409281	3419406	37.41%	3.932%
61	19.280	2785	2787	2789	rBV	275036	234297	2.56%	0.269%
62	19.374	2800	2803	2807	rBV2	604696	691417	7.56%	0.795%
63	19.569	2831	2836	2840	rBV	6799916	9141164	100.00%	10.511%
64	19.892	2888	2891	2895	rVB2	776063	950184	10.39%	1.093%
65	20.827	3048	3050	3054	rVB2	951351	1082063	11.84%	1.244%
66	21.027	3080	3084	3090	rVB	1693595	2548064	27.87%	2.930%
67	21.086	3091	3094	3100	rVB	2132810	2702722	29.57%	3.108%
68	21.892	3227	3231	3237	rBV	1717993	2374585	25.98%	2.730%
69	22.151	3272	3275	3282	rVB2	831974	1098733	12.02%	1.263%
70	22.651	3357	3360	3364	rVB	907354	1169580	12.79%	1.345%
71	22.874	3394	3398	3409	rVB	2110765	4566713	49.96%	5.251%

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Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
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72	23.286	3464	3468	3478	rVB2	2011321	3727709	40.78%	4.286%
73	24.121	3606	3610	3617	rVB	1173553	2271255	24.85%	2.612%

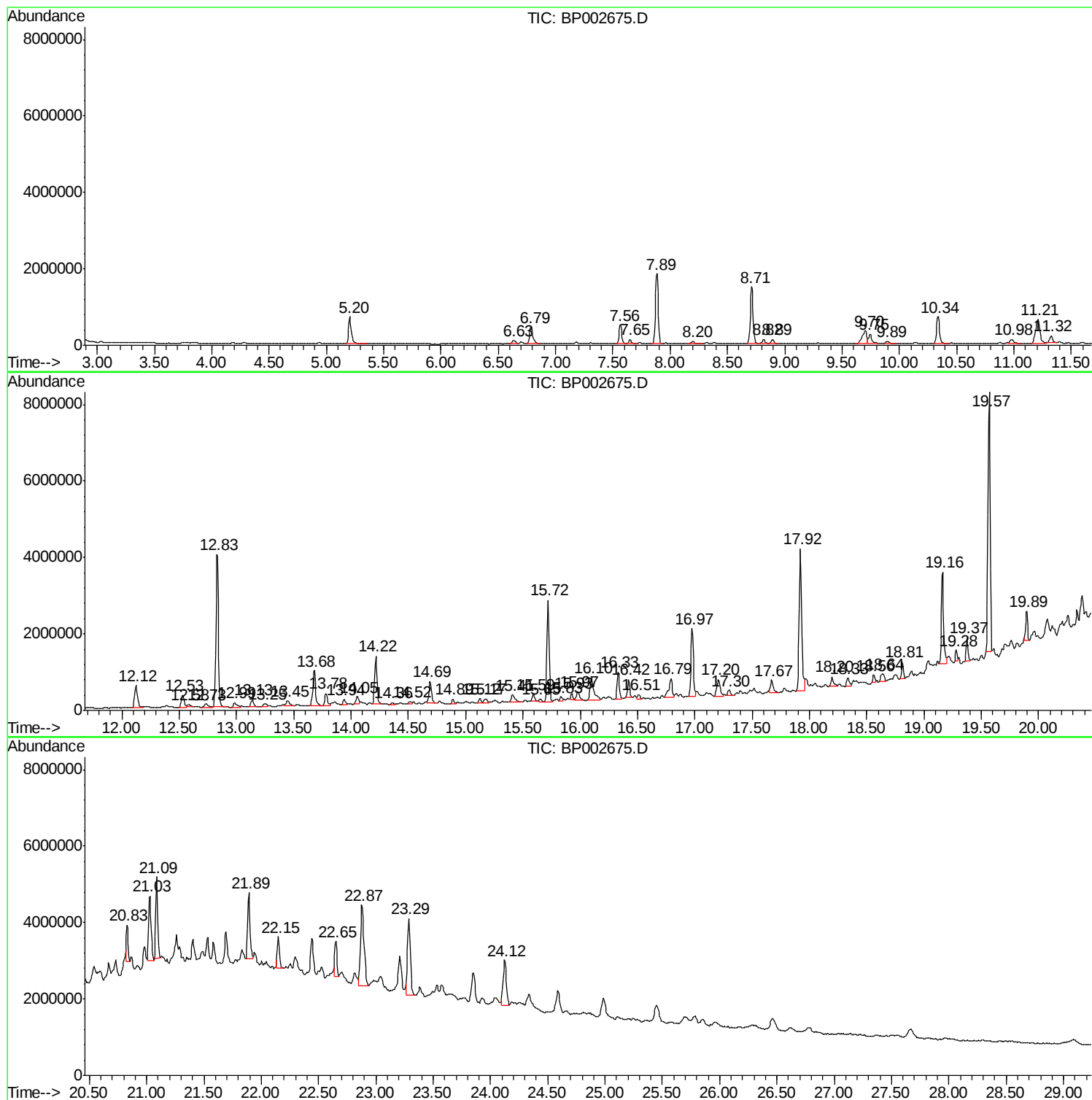
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Instrument :
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ClientSampleId :
TUNNEL-WALL-WASHWATER(EXH)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP062920.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P



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Instrument :
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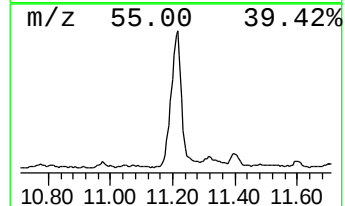
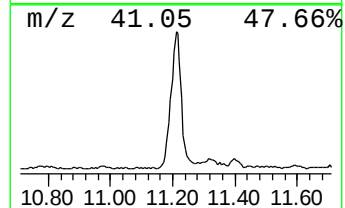
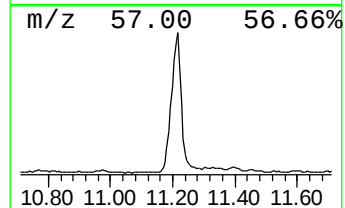
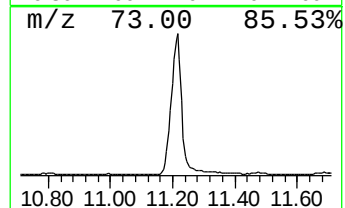
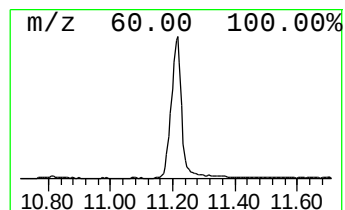
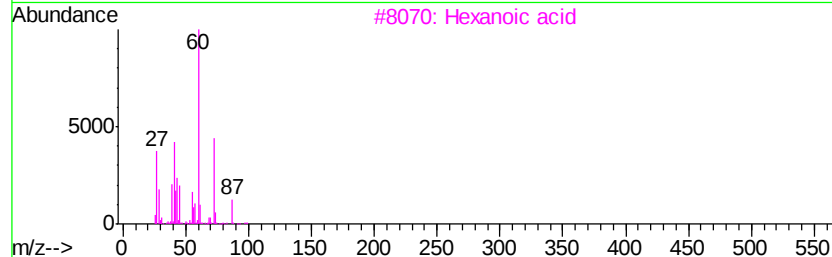
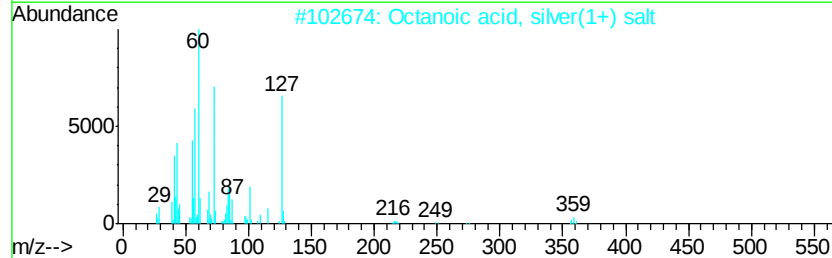
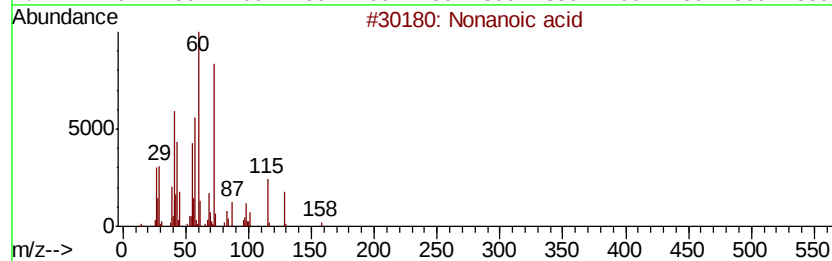
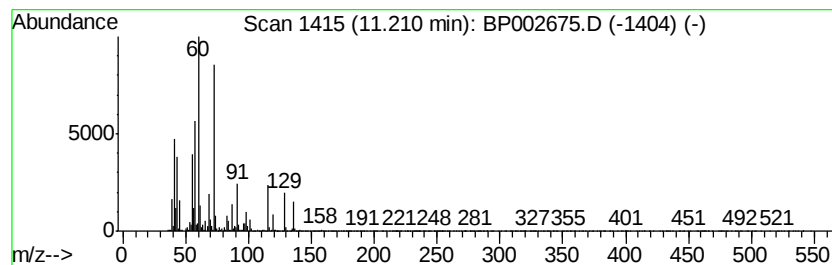
Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP062920.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 2 Nonanoic acid Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.21	27.32 ng	1699430	Naphthalene-d8	10.34

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Nonanoic acid	158	C9H18O2	000112-05-0	87
2		Octanoic acid, silver(1+) salt	250	C8H15AgO2	024927-67-1	49
3		Hexanoic acid	116	C6H12O2	000142-62-1	47
4		Octanoic acid	144	C8H16O2	000124-07-2	40
5		Butanoic acid, 3-methyl-	102	C5H10O2	000503-74-2	38



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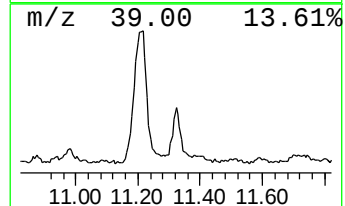
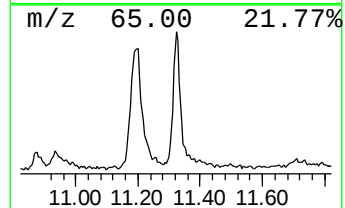
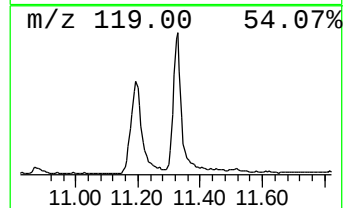
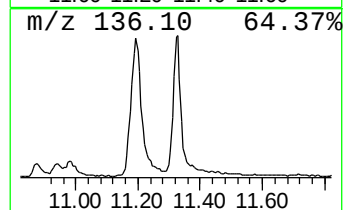
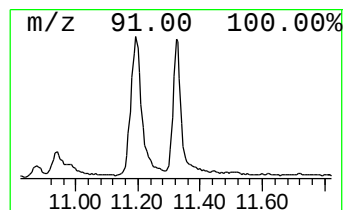
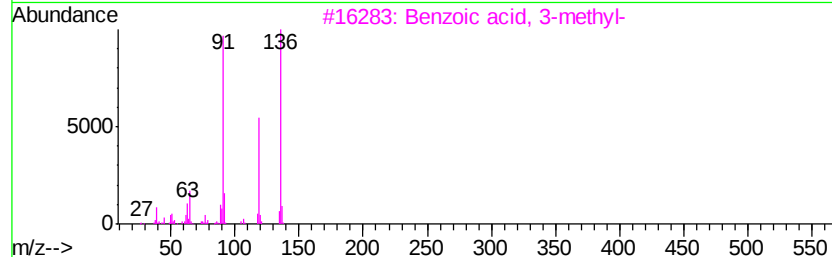
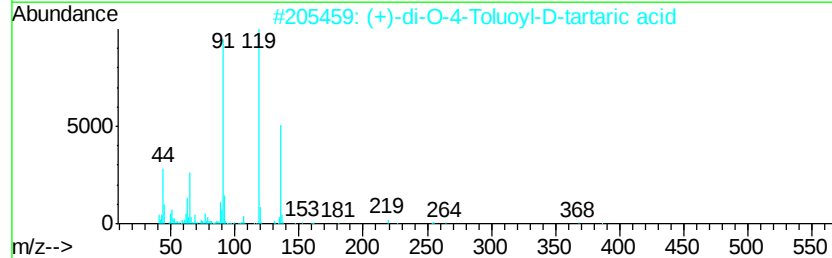
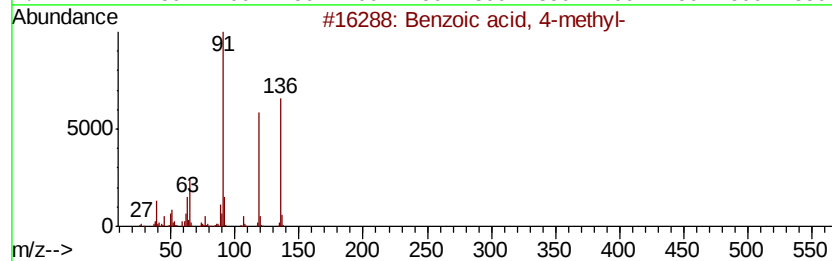
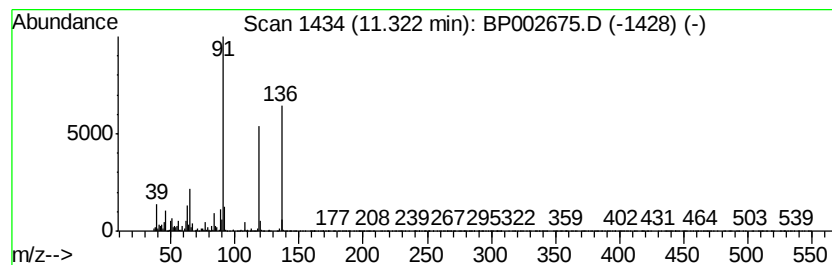
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 3 Benzoic acid, 4-methyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.32	5.27 ng	327765	Napthalene-d8	10.34

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzoic acid, 4-methyl-	136	C8H8O2	000099-94-5	96
2		(+)-di-O-4-Toluoyl-D-tartaric acid	386	C20H18O8	032634-68-7	78
3		Benzoic acid, 3-methyl-	136	C8H8O2	000099-04-7	74
4		Benzeneacetic acid	136	C8H8O2	000103-82-2	55
5		Benzoic acid, 2-methyl-, 4-acety...	254	C16H14O3	306743-67-9	49



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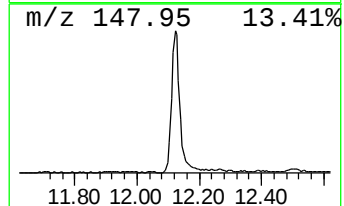
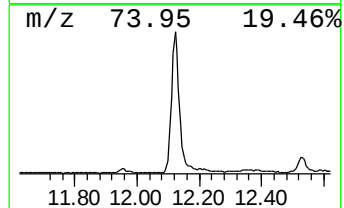
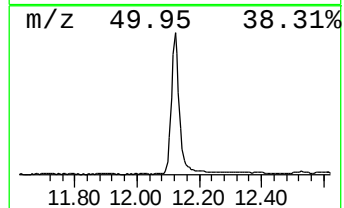
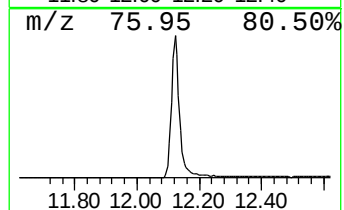
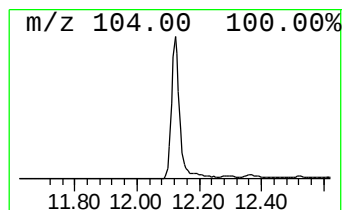
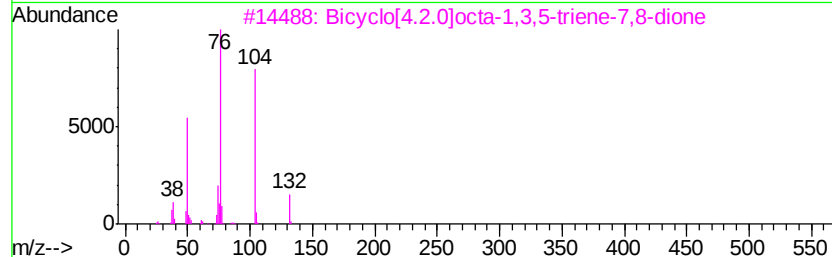
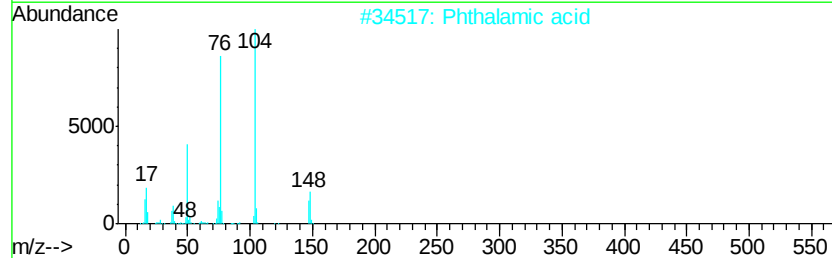
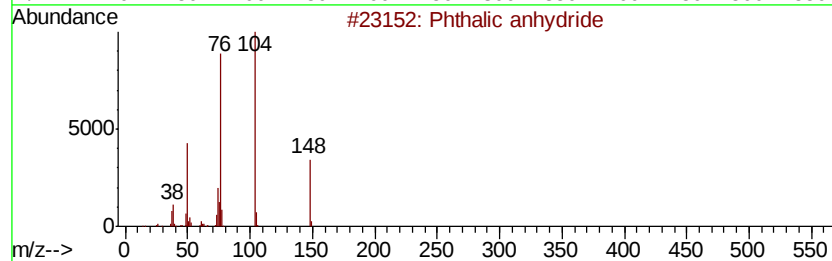
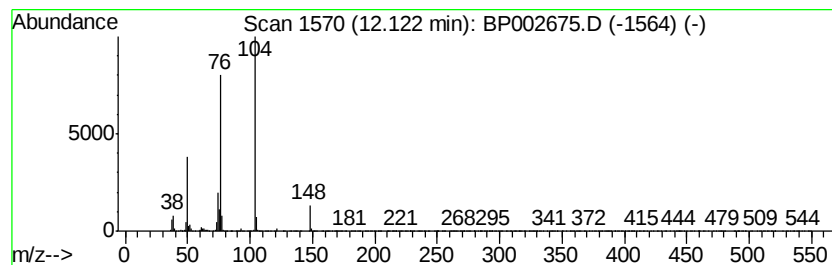
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 4 Phthalic anhydride Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.12	16.67 ng	1036860	Naphthalene-d8	10.34

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Phthalic anhydride	148	C8H4O3	000085-44-9	93
2		Phthalamic acid	165	C8H7NO3	000088-97-1	90
3		Bicyclo[4.2.0]octa-1,3,5-triene-...	132	C8H4O2	006383-11-5	86
4		Phthalic acid, monoethyl ester	194	C10H10O4	002306-33-4	83
5		1H-Isoindole-1,3(2H)-dione, 2-(2...	201	C11H7NO3	004616-63-1	78



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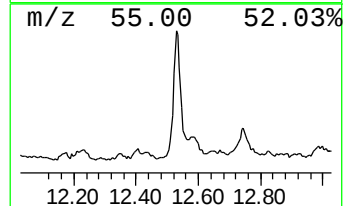
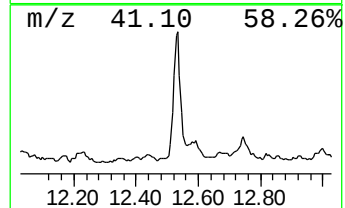
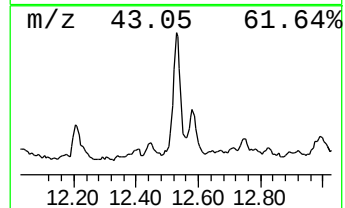
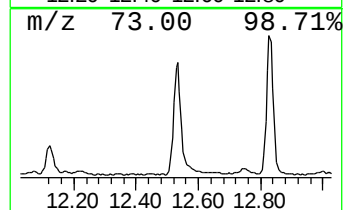
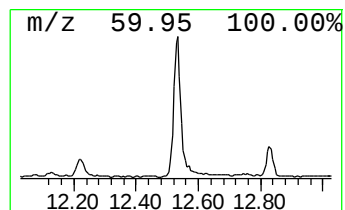
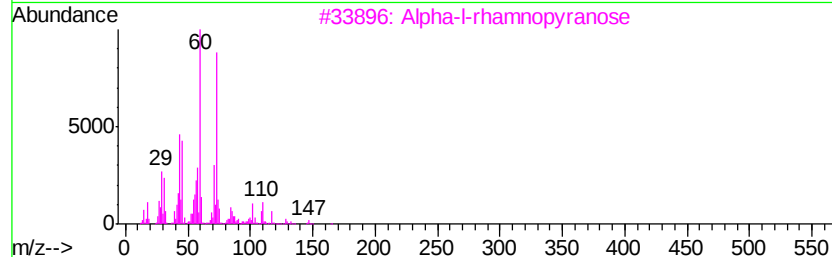
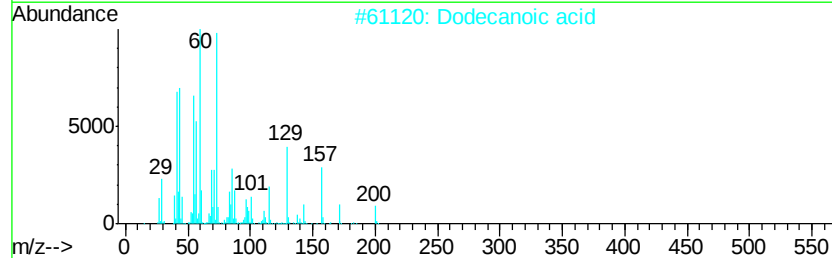
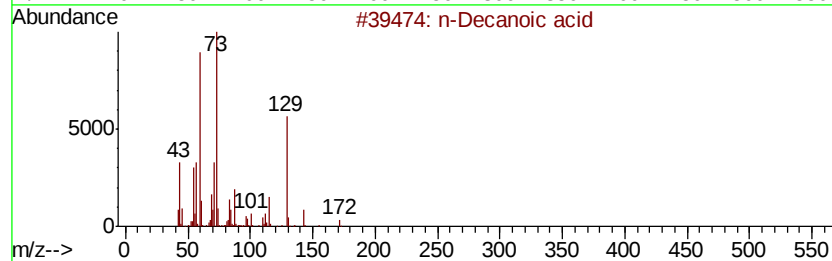
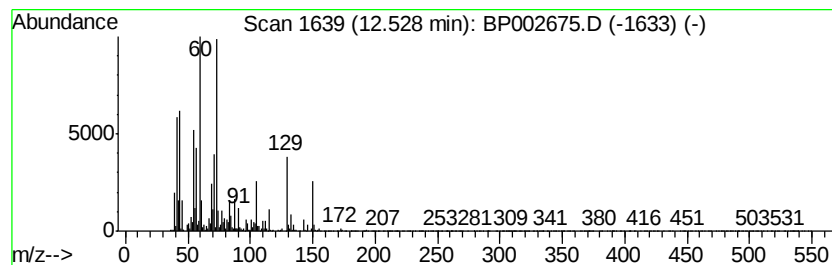
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 5 n-Decanoic acid Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.53	6.05 ng	567902	Acenaphthene-d10	14.22

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		n-Decanoic acid	172	C10H20O2	000334-48-5	95
2		Dodecanoic acid	200	C12H24O2	000143-07-7	40
3		Alpha-l-rhamnopyranose	164	C6H12O5	035810-56-1	38
4		Heptanoic acid	130	C7H14O2	000111-14-8	38
5		Propanedioic acid, propyl-	146	C6H10O4	000616-62-6	35



Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP070820\
Data File : BP002675.D
Acq On : 08 Jul 2020 15:10
Operator : CG/JU
Sample : L3194-01
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
TUNNEL-WALL-WASHWATER(EXH)

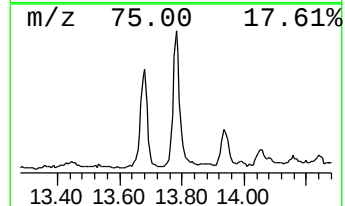
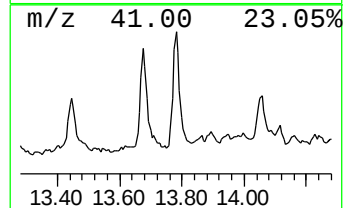
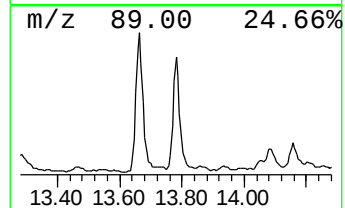
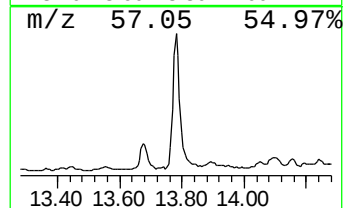
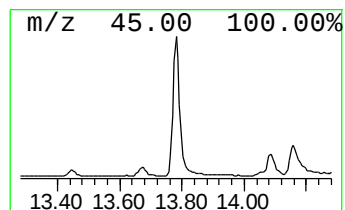
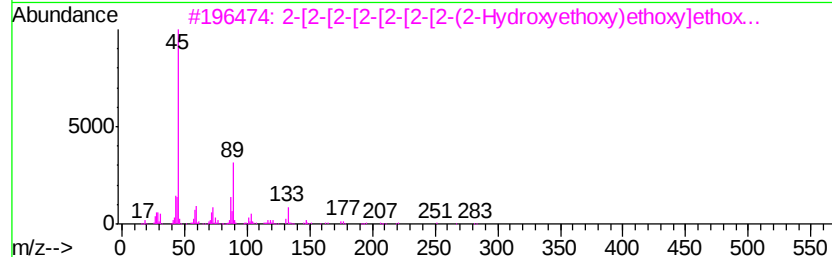
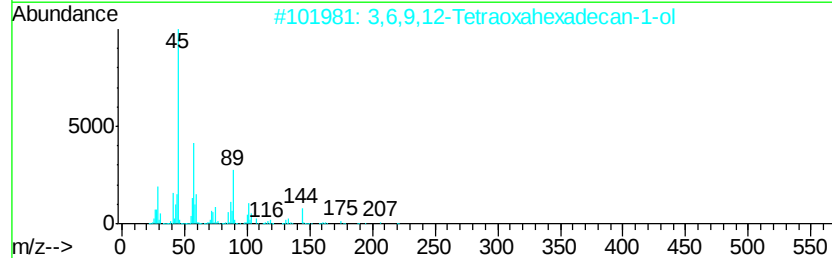
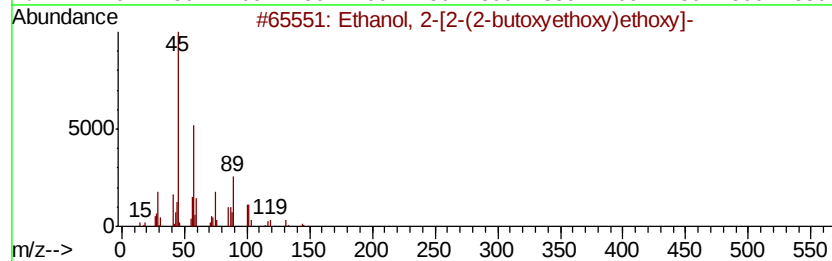
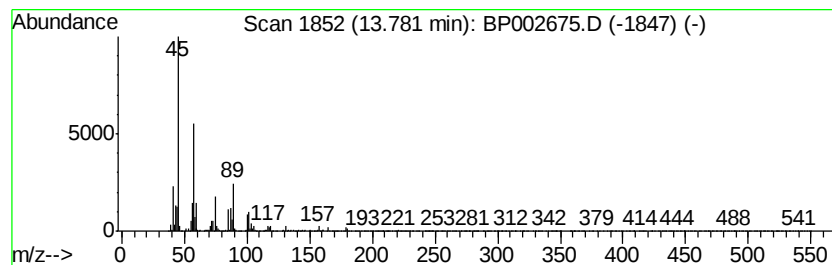
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 6 Ethanol, 2-[2-(2-butoxyetho... Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.78	5.62 ng	528239	Acenaphthene-d10	14.22

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Ethanol, 2-[2-(2-butoxyethoxy)et...	206	C10H22O4	000143-22-6	91
2			3,6,9,12-Tetraoxahexadecan-1-ol	250	C12H26O5	001559-34-8	86
3			2-[2-[2-[2-[2-[2-(2-Hydroxyethoxy)ethoxy]ethoxy]ethoxy]ethoxy]ethoxy]ethoxy]	370	C16H34O9	005117-19-1	72
4			Heptaethylene glycol	326	C14H30O8	005617-32-3	64
5			Pentaethylene glycol	238	C10H22O6	004792-15-8	59



Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP070820\
Data File : BP002675.D
Acq On : 08 Jul 2020 15:10
Operator : CG/JU
Sample : L3194-01
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ClientSampleId :
TUNNEL-WALL-WASHWATER(EXH)

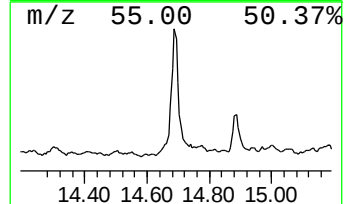
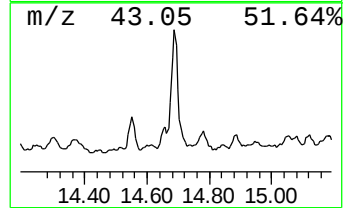
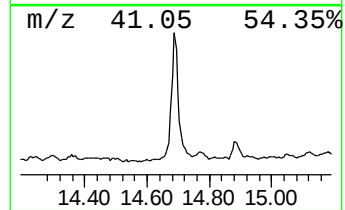
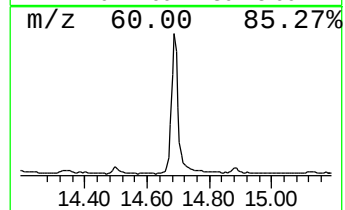
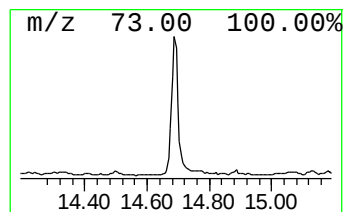
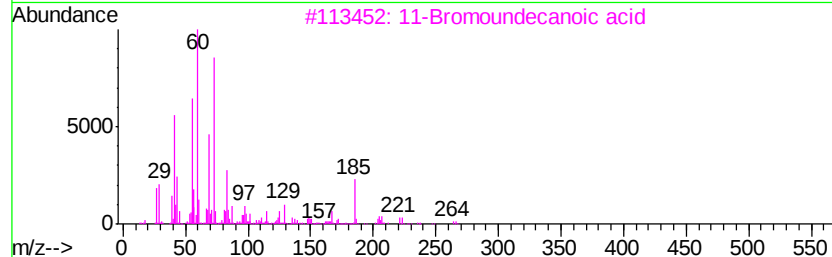
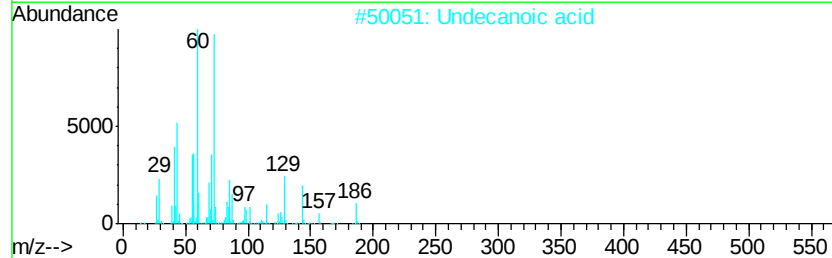
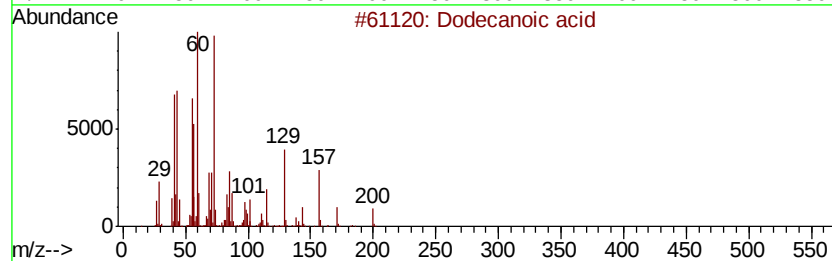
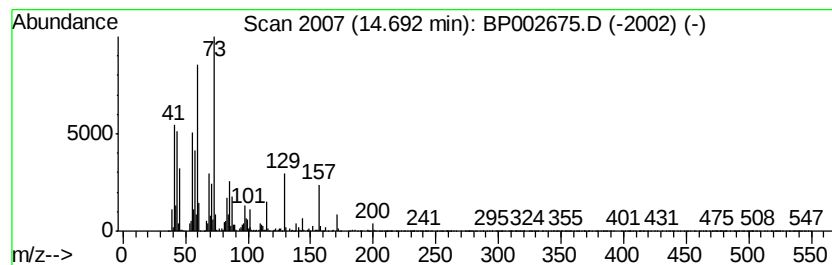
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 7 Dodecanoic acid Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD		R.T.
14.69	9.54 ng	896237	Acenaphthene-d10		14.22

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Dodecanoic acid	200	C12H24O2	000143-07-7	97
2			Undecanoic acid	186	C11H22O2	000112-37-8	80
3			11-Bromoundecanoic acid	264	C11H21BrO2	002834-05-1	50
4			Nonanoic acid	158	C9H18O2	000112-05-0	49
5			Octanoic acid	144	C8H16O2	000124-07-2	47



Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP070820\
Data File : BP002675.D
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BNA_P
ClientSampleId :
TUNNEL-WALL-WASHWATER(EXH)

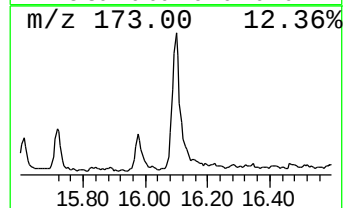
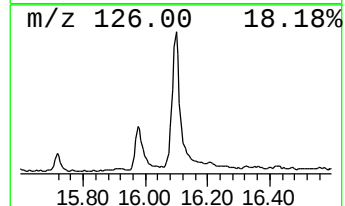
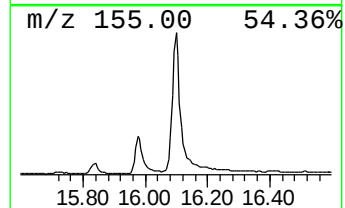
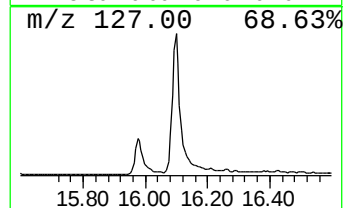
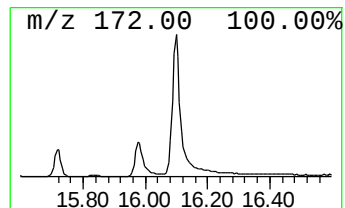
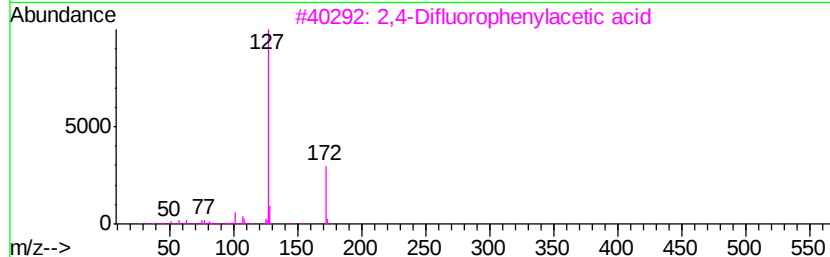
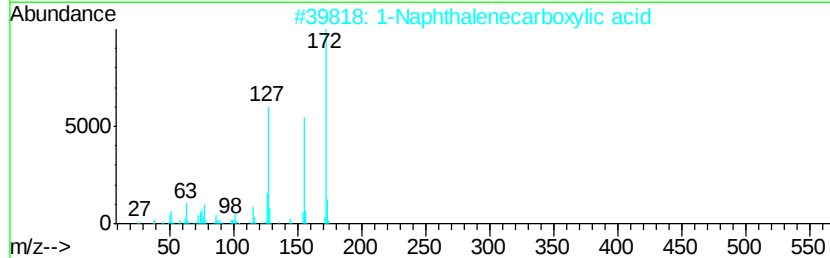
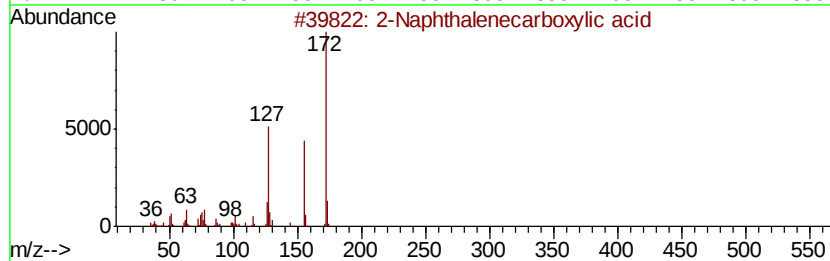
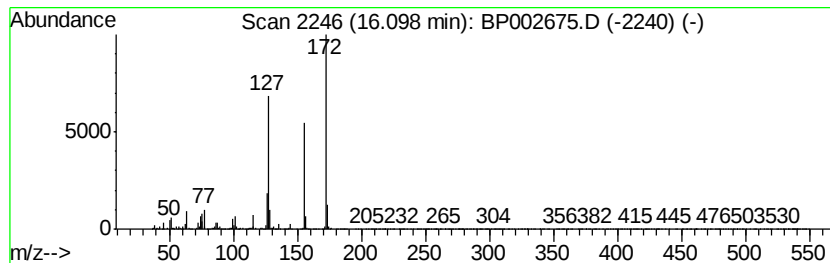
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 8 2-Naphthalenecarboxylic acid Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.10	10.25 ng	1298570	Phenanthrene-d10	16.97

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	2-Naphthalenecarboxylic acid	172	C11H8O2	000093-09-4	94
2		1-Naphthalenecarboxylic acid	172	C11H8O2	000086-55-5	94
3		2,4-Difluorophenylacetic acid	172	C8H6F2O2	081228-09-3	58
4		Phenylphosphorodiamidate	172	C6H9N2O2P	007450-69-3	50
5		.beta.-Naphthamide	171	C11H9NO	002243-82-5	46



Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP070820\
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Misc :
ALS Vial : 9 Sample Multiplier: 1

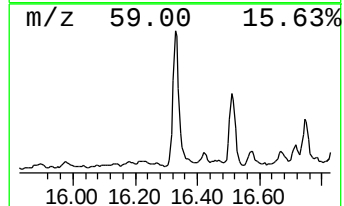
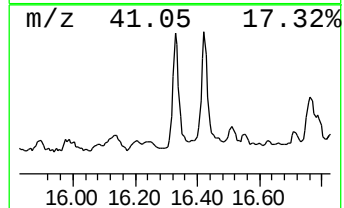
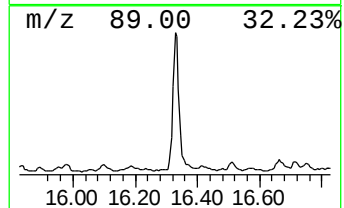
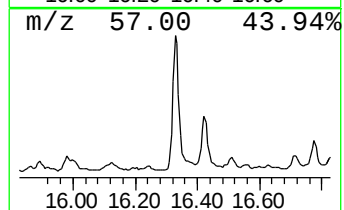
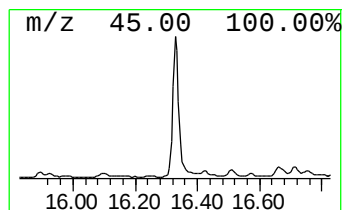
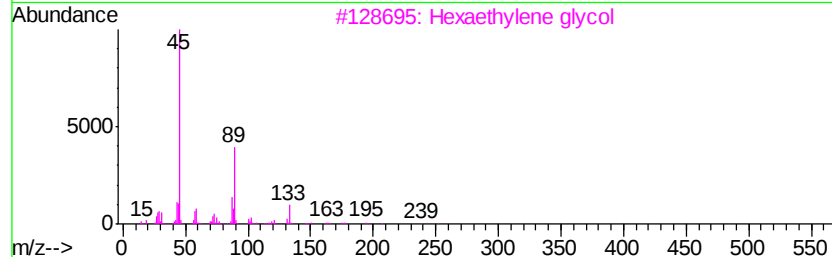
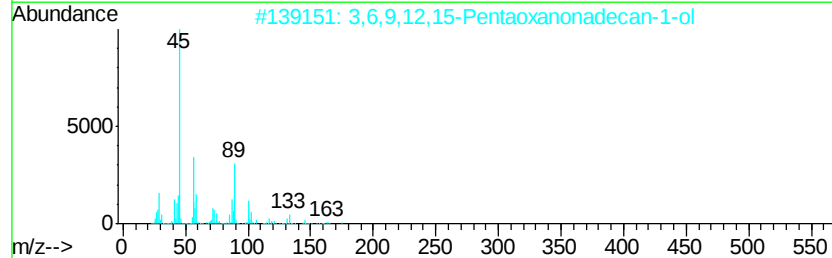
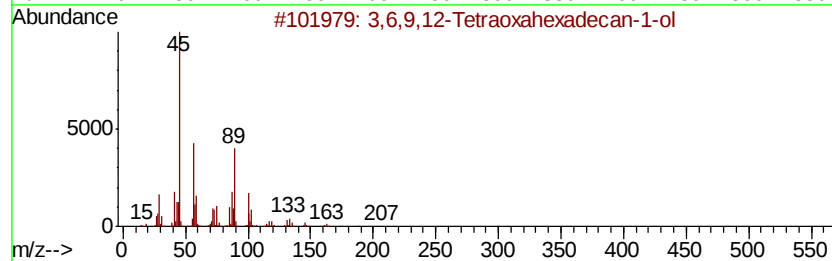
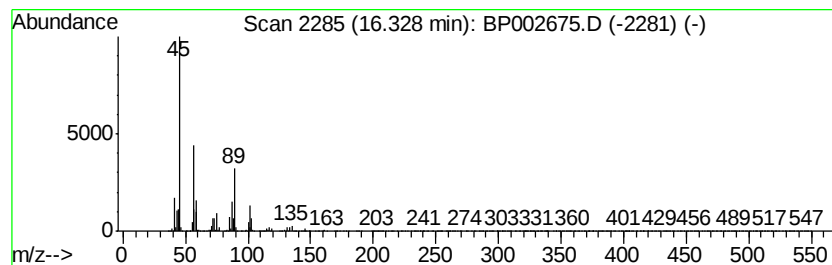
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TUNNEL-WALL-WASHWATER(EXH)

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 9 3,6,9,12-Tetraoxahexadecan-... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD		R.T.		
16.33	7.57 ng	958868	Phenanthrene-d10		16.97		
Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	3,6,9,12-Tetraoxahexadecan-1-ol	250	C12H26O5	001559-34-8	91		
2	3,6,9,12,15-Pentaoxanonadecan-1-ol	294	C14H30O6	001786-94-3	87		
3	Hexaethylene glycol	282	C12H26O7	002615-15-8	72		
4	2-[2-[2-[2-[2-[2-(2-Hydroxyvet...	370	C16H34O9	005117-19-1	64		
5	Heptaethylene glycol	326	C14H30O8	005617-32-3	64		



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Data File : BP002675.D
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ClientSampleId :
TUNNEL-WALL-WASHWATER(EXH)

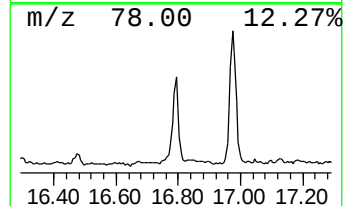
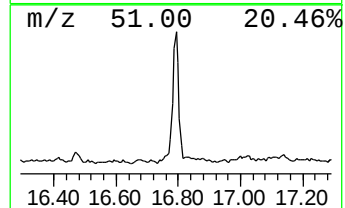
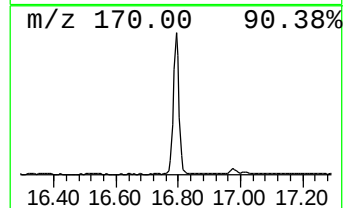
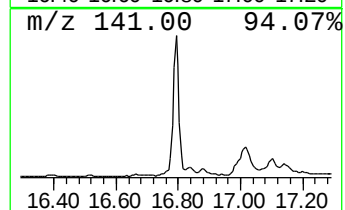
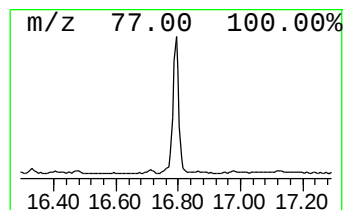
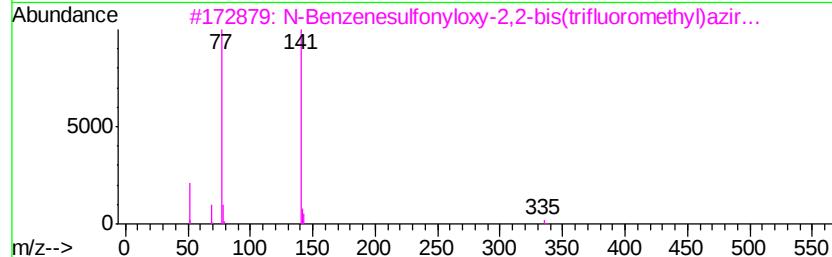
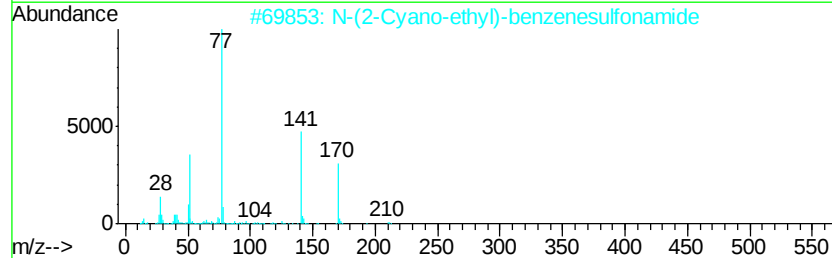
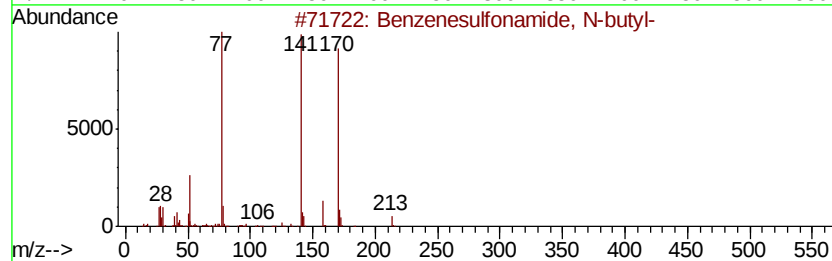
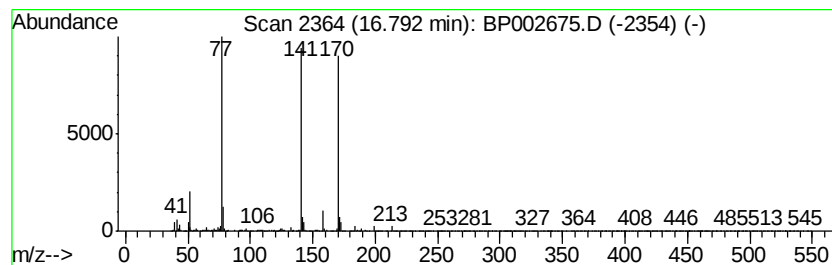
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 10 Benzenesulfonamide, N-butyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.79	8.17 ng	1035260	Phenanthrene-d10	16.97

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzenesulfonamide, N-butyl-	213	C10H15NO2S	003622-84-2	91
2			N-(2-Cyano-ethyl)-benzenesulfona...	210	C9H10N2O2S	002619-21-8	56
3			N-Benzenesulfonyloxv-2,2-bis(tri...	335	C10H7F6N03S	055734-41-3	40
4			Benzenesulfonyl isocyanate	183	C7H5NO3S	002845-62-7	37
5			(Phenylsulfonyl)acetonitrile	181	C8H7NO2S	007605-28-9	35



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ClientSampleId :
TUNNEL-WALL-WASHWATER(EXH)

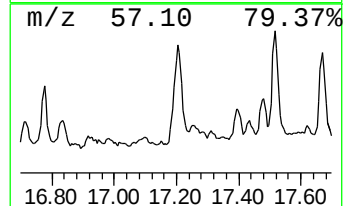
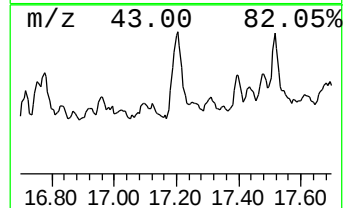
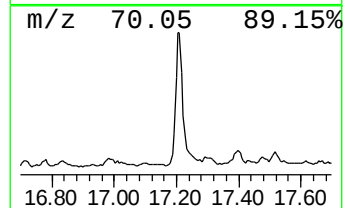
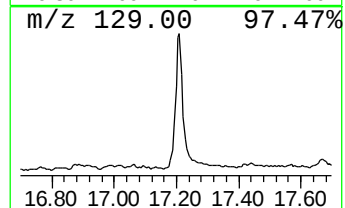
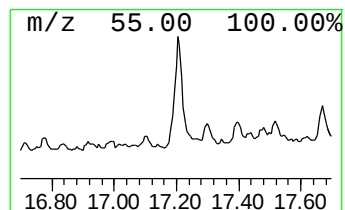
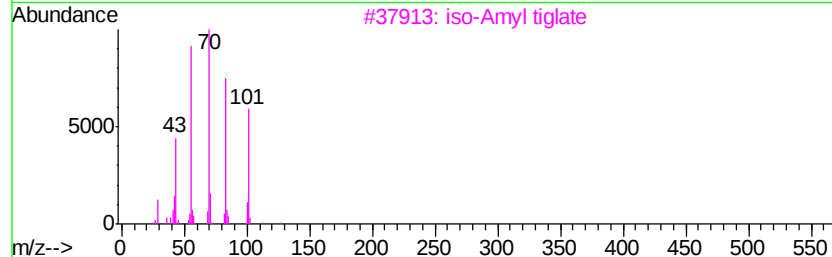
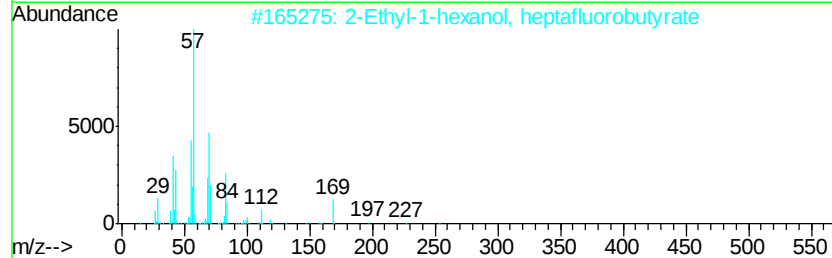
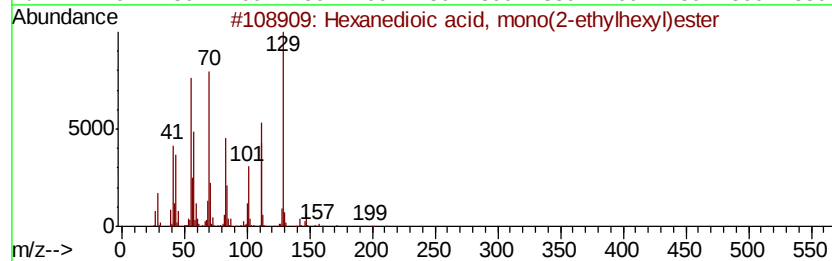
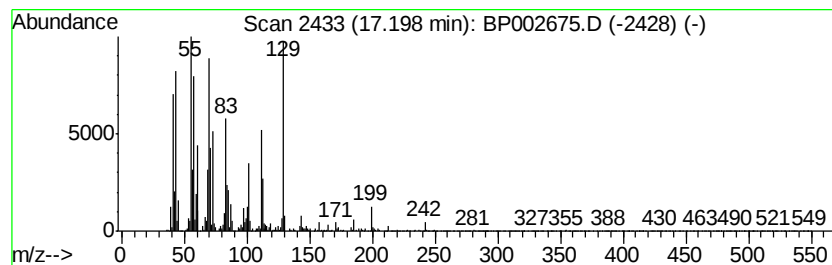
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 11 Hexanedioic acid, mono(2-et... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.20	6.86 ng	869183	Phenanthrene-d10	16.97

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Hexanedioic acid, mono(2-ethylhe...	258	C14H26O4	004337-65-9	72
2			2-Ethyl-1-hexanol, heptafluorobu...	326	C12H17F7O2	1000365-16-0	35
3			iso-Amyl tiglate	170	C10H18O2	066917-62-2	35
4			Adipic acid, pent-4-en-2-yl pent...	284	C16H28O4	1000354-12-0	35
5			2,4-Decadien-1-ol, (E,E)-	154	C10H18O	018409-21-7	30



Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP070820\
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ALS Vial : 9 Sample Multiplier: 1

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ClientSampleId :
TUNNEL-WALL-WASHWATER(EXH)

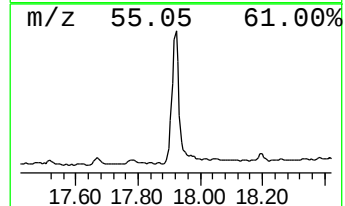
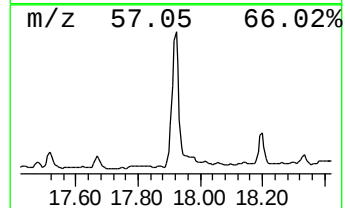
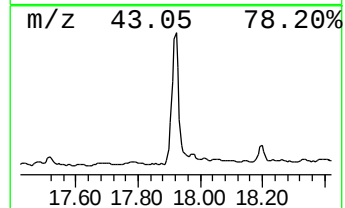
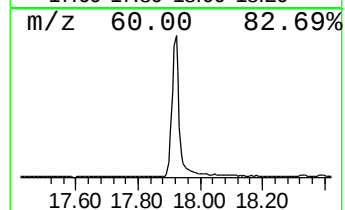
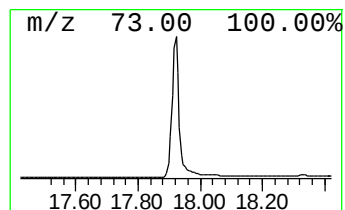
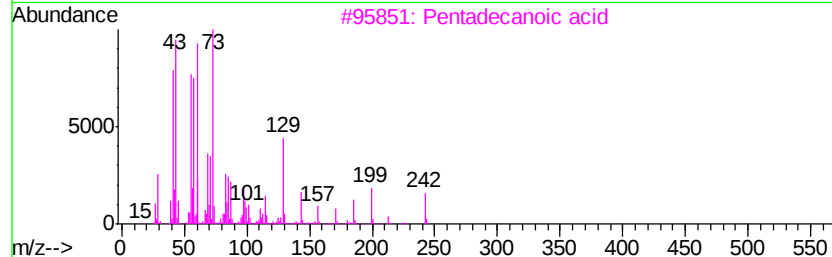
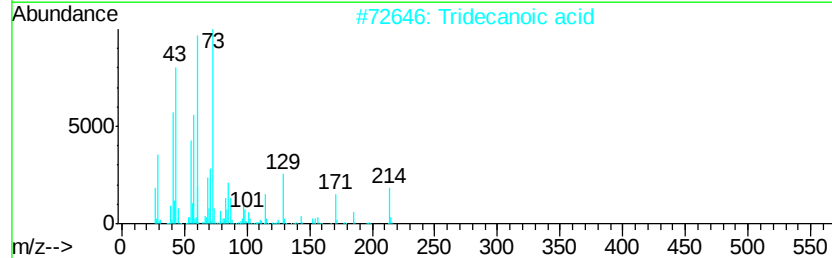
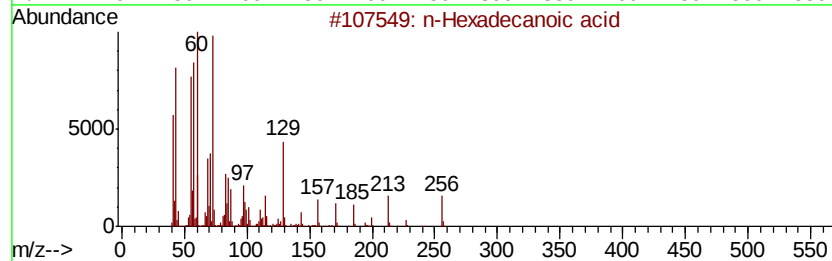
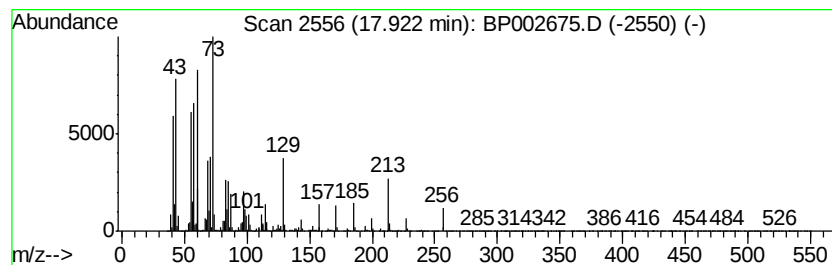
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 12 n-Hexadecanoic acid Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.92	47.62 ng	6034550	Phenanthrene-d10	16.97

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	99
2		Tridecanoic acid	214	C13H26O2	000638-53-9	91
3		Pentadecanoic acid	242	C15H30O2	001002-84-2	87
4		Tetradecanoic acid	228	C14H28O2	000544-63-8	72
5		n-Decanoic acid	172	C10H20O2	000334-48-5	62



Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP070820\
Data File : BP002675.D
Acq On : 08 Jul 2020 15:10
Operator : CG/JU
Sample : L3194-01
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
TUNNEL-WALL-WASHWATER(EXH)

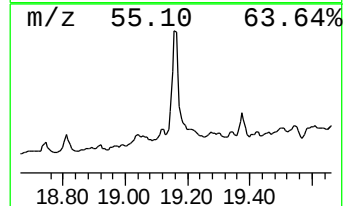
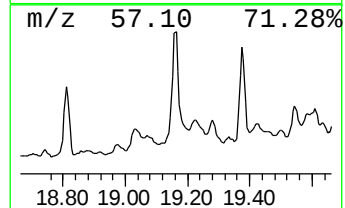
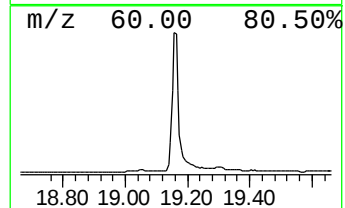
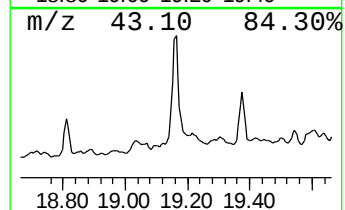
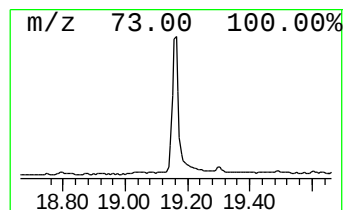
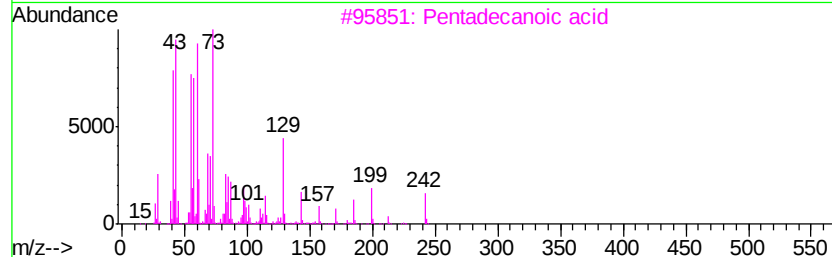
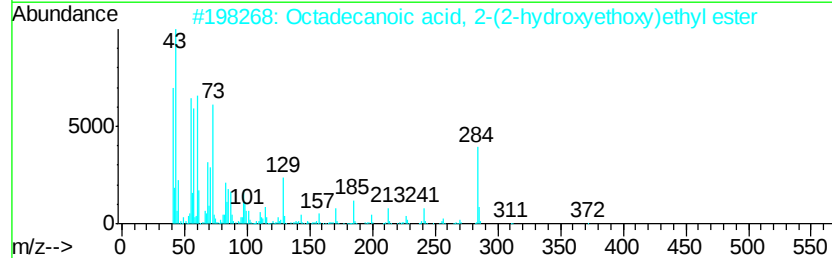
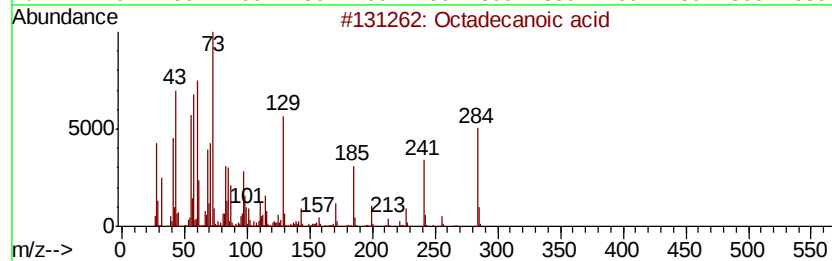
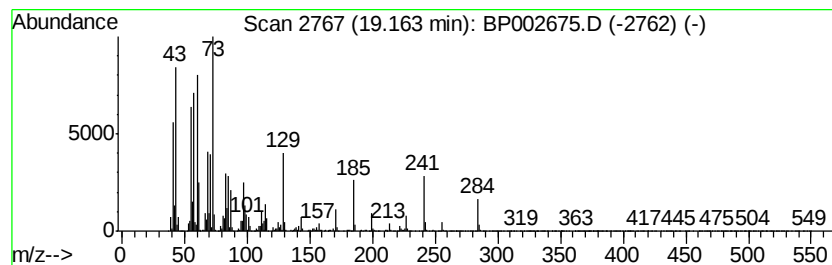
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 13 Octadecanoic acid Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.16	25.30 ng	3419410	Chrysene-d12	21.09

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Octadecanoic acid	284	C18H36O2	000057-11-4	99
2		Octadecanoic acid, 2-(2-hydroxyve...	372	C22H44O4	000106-11-6	94
3		Pentadecanoic acid	242	C15H30O2	001002-84-2	93
4		Tetradecanoic acid	228	C14H28O2	000544-63-8	83
5		n-Hexadecanoic acid	256	C16H32O2	000057-10-3	68



Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP070820\
Data File : BP002675.D
Acq On : 08 Jul 2020 15:10
Operator : CG/JU
Sample : L3194-01
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
TUNNEL-WALL-WASHWATER(EXH)

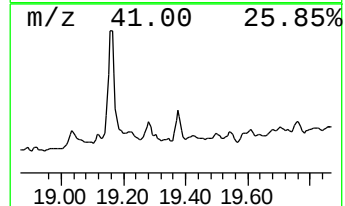
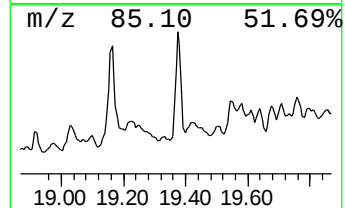
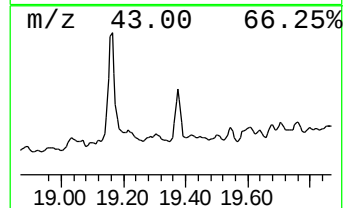
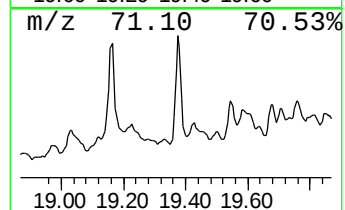
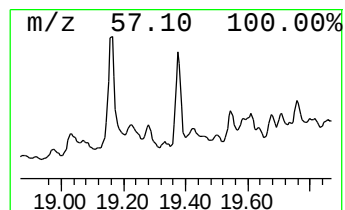
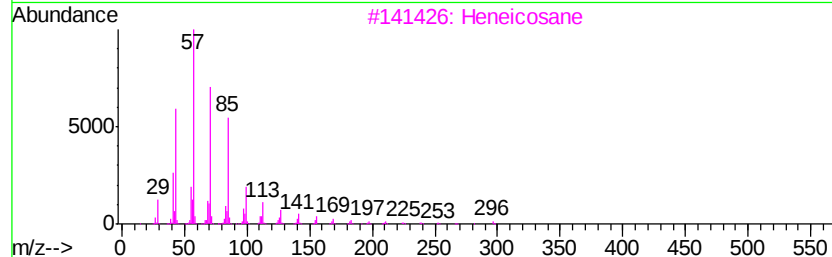
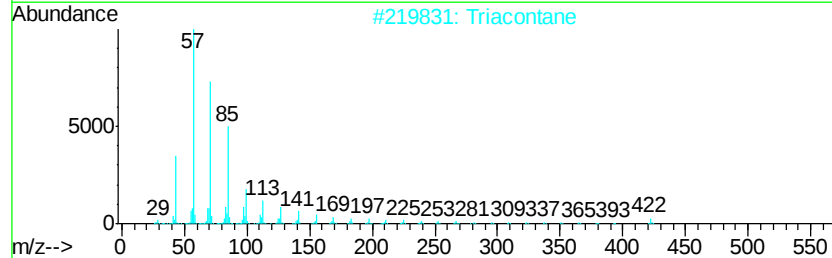
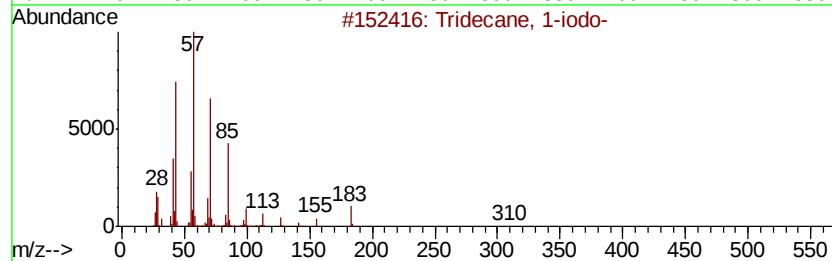
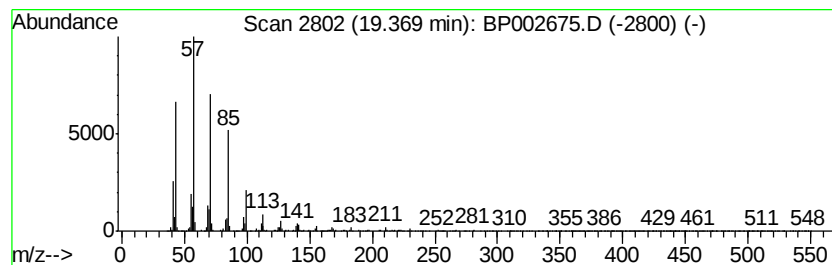
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 14 Tridecane, 1-iodo- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.37	5.12 ng	691417	Chrysene-d12	21.09

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Tridecane, 1-iodo-	310	C13H27I	035599-77-0	95
2		Triacontane	422	C30H62	000638-68-6	93
3		Heneicosane	296	C21H44	000629-94-7	90
4		Hexacosane	366	C26H54	000630-01-3	89
5		Pentacosane	352	C25H52	000629-99-2	86



Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP070820\
Data File : BP002675.D
Acq On : 08 Jul 2020 15:10
Operator : CG/JU
Sample : L3194-01
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
TUNNEL-WALL-WASHWATER(EXH)

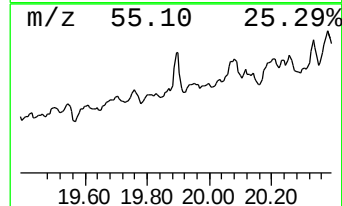
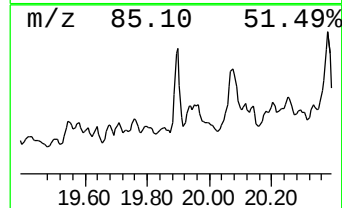
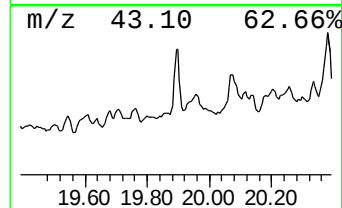
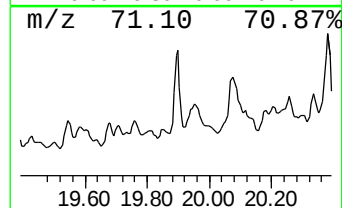
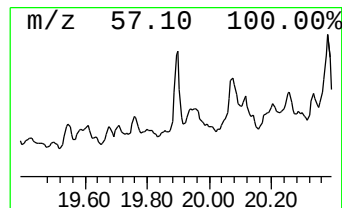
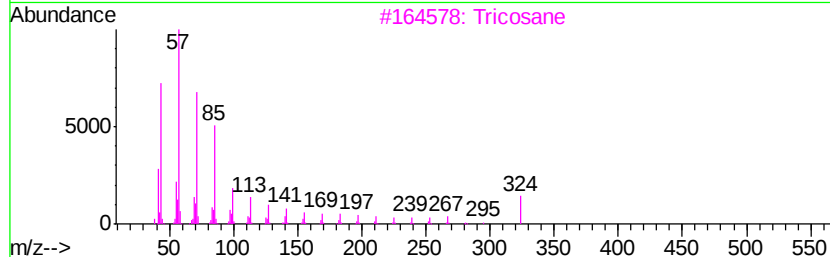
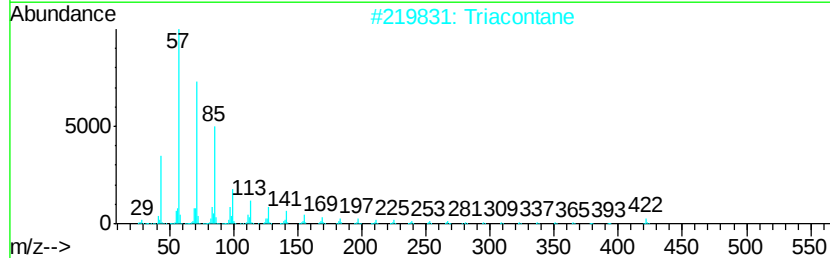
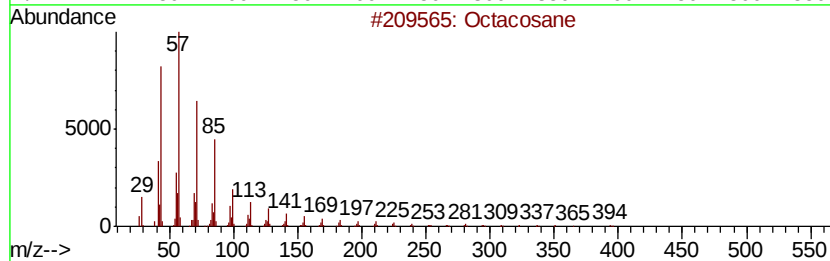
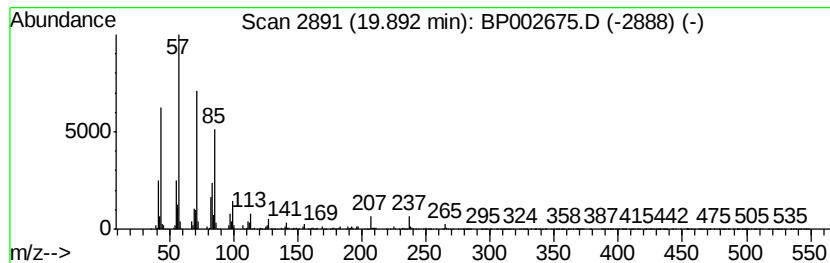
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 15 Octacosane Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.89	7.03 ng	950184	Chrysene-d12	21.09

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Octacosane	394	C28H58	000630-02-4	92
2			Triacontane	422	C30H62	000638-68-6	92
3			Tricosane	324	C23H48	000638-67-5	89
4			Heptadecane	240	C17H36	000629-78-7	87
5			Dodecane, 2-methyl-6-propyl-	226	C16H34	055045-08-4	76



Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP070820\
Data File : BP002675.D
Acq On : 08 Jul 2020 15:10
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Sample : L3194-01
Misc :
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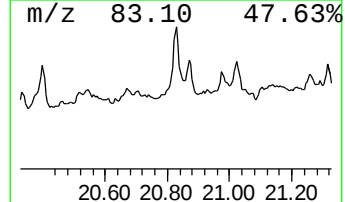
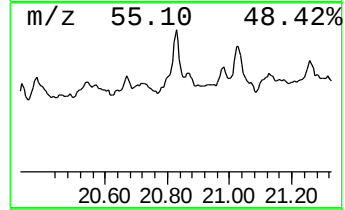
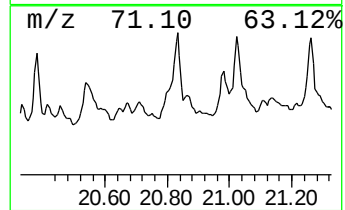
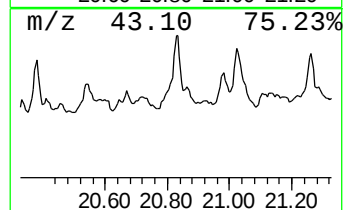
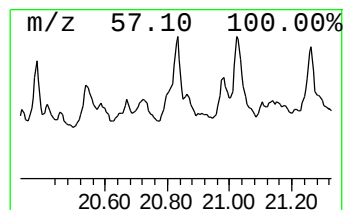
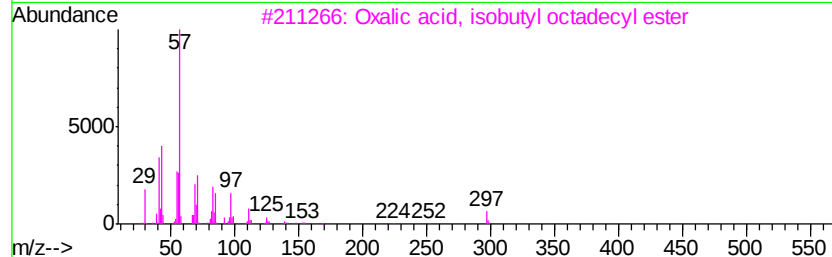
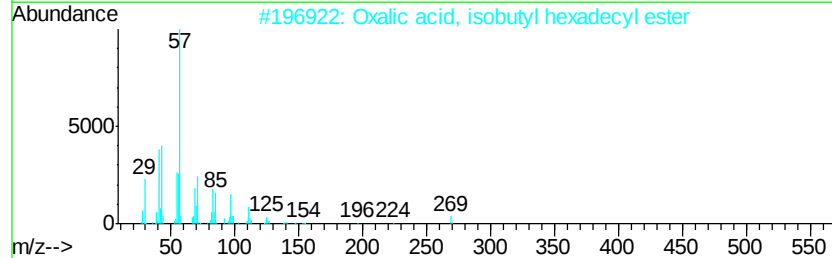
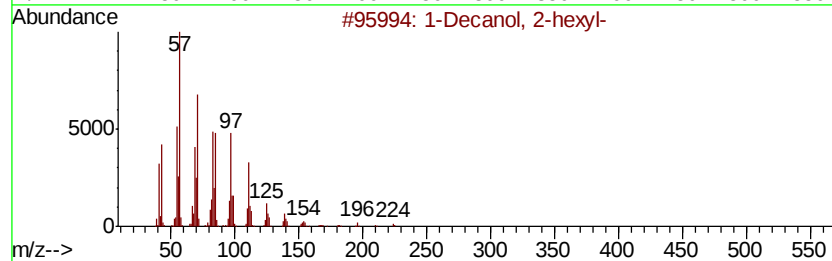
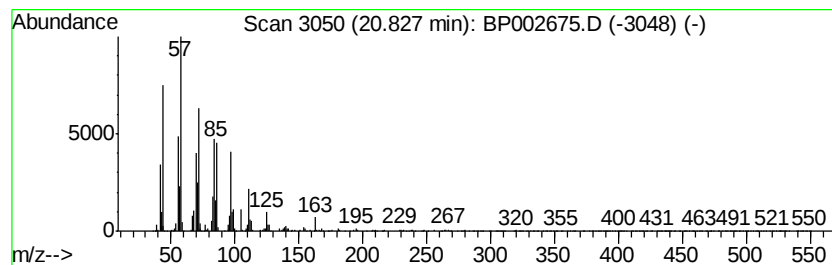
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TUNNEL-WALL-WASHWATER(EXH)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP062920.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 16 1-Decanol, 2-hexyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.83	8.01 ng	1082060	Chrysene-d12	21.09
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	1-Decanol, 2-hexyl-	242 C16H34O	002425-77-6	91
2	Oxalic acid, isobutyl hexadecyl ...	370 C22H42O4	1000309-38-1	91
3	Oxalic acid, isobutyl octadecyl ...	398 C24H46O4	1000309-38-3	91
4	Oxalic acid, isobutyl heptadecyl...	384 C23H44O4	1000309-38-2	91
5	Dotriacontyl pentafluoropropionate	612 C35H65F5O2	1000351-81-4	91



Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP070820\
Data File : BP002675.D
Acq On : 08 Jul 2020 15:10
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Sample : L3194-01
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ALS Vial : 9 Sample Multiplier: 1

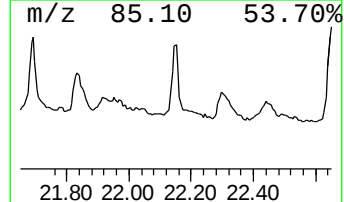
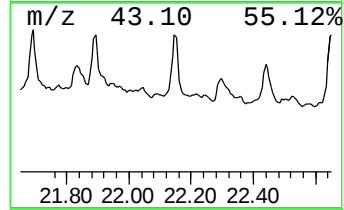
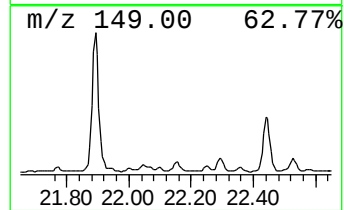
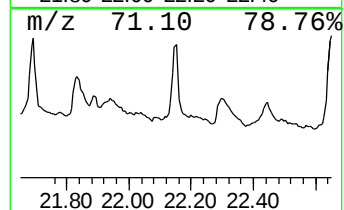
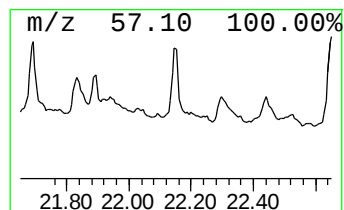
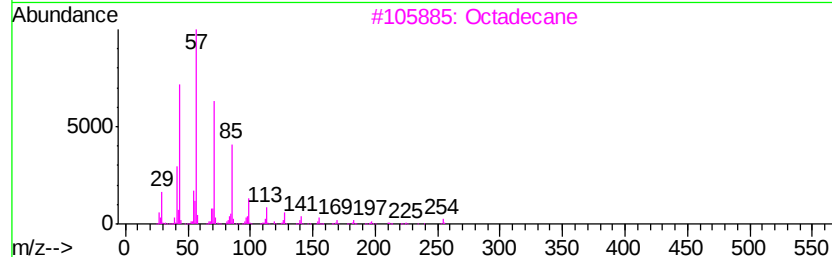
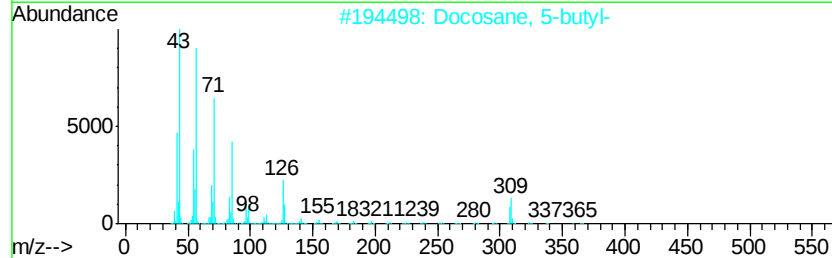
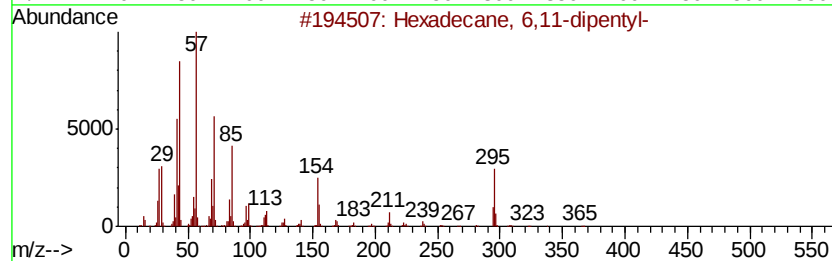
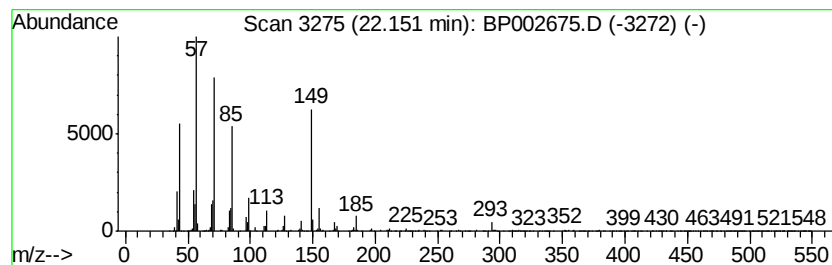
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ClientSampleId :
TUNNEL-WALL-WASHWATER(EXH)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP062920.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 17 Hexadecane, 6,11-dipentyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.15	8.13 ng	1098730	Chrysene-d12	21.09
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	Hexadecane, 6,11-dipentyl-	366 C26H54	015874-03-0	68
2	Docosane, 5-butyl-	366 C26H54	055282-16-1	68
3	Octadecane	254 C18H38	000593-45-3	68
4	Tetracosane	338 C24H50	000646-31-1	68
5	Heneicosane	296 C21H44	000629-94-7	64



Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP070820\
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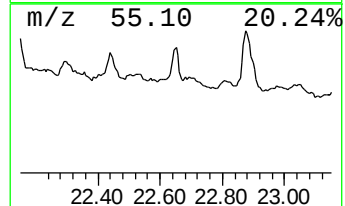
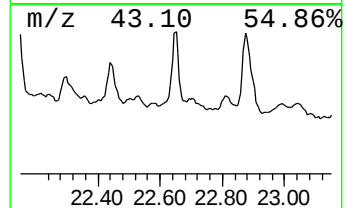
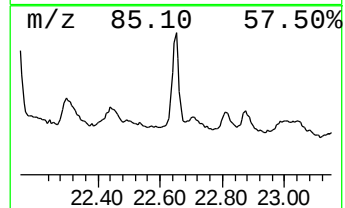
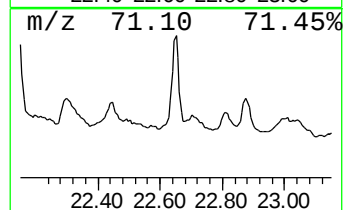
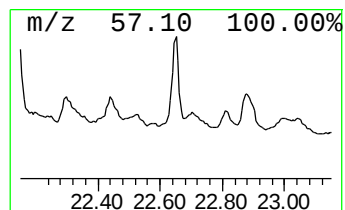
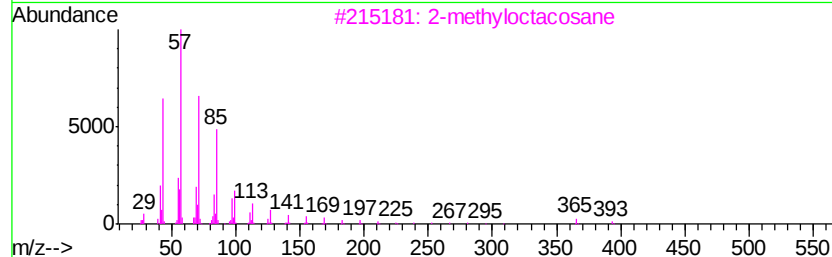
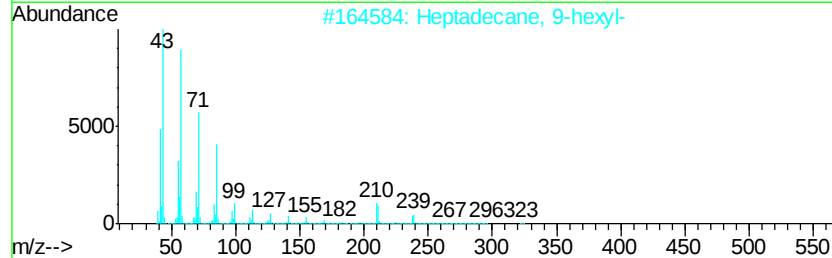
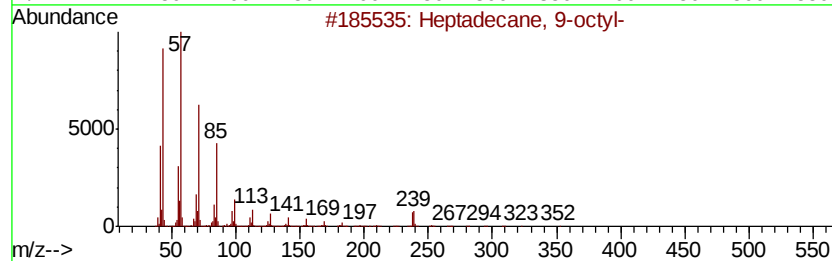
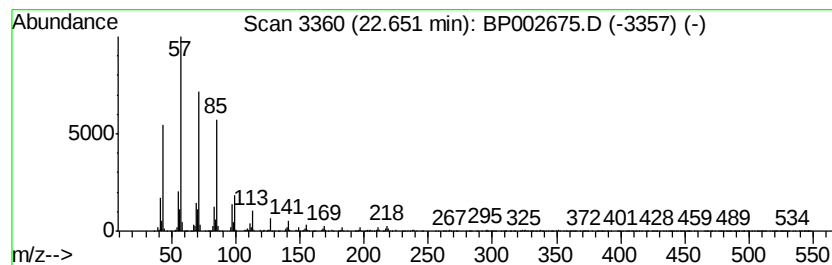
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ClientSampleId :
TUNNEL-WALL-WASHWATER(EXH)

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 18 Heptadecane, 9-octyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.65	6.28 ng	1169580	Perylene-d12	23.29
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Heptadecane, 9-octyl-	352 C25H52	007225-64-1 94
2		Heptadecane, 9-hexyl-	324 C23H48	055124-79-3 91
3		2-methyloctacosane	408 C29H60	1000376-72-8 91
4		Octacosane	394 C28H58	000630-02-4 91
5		Heneicosane	296 C21H44	000629-94-7 87



Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP070820\
Data File : BP002675.D
Acq On : 08 Jul 2020 15:10
Operator : CG/JU
Sample : L3194-01
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
TUNNEL-WALL-WASHWATER(EXH)

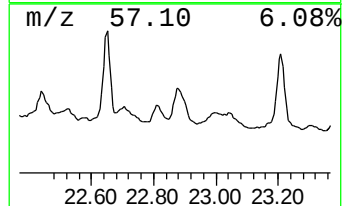
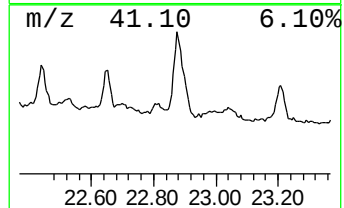
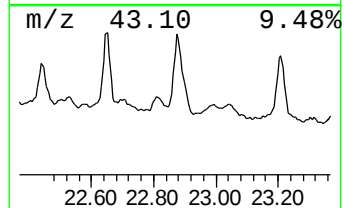
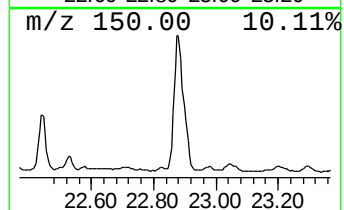
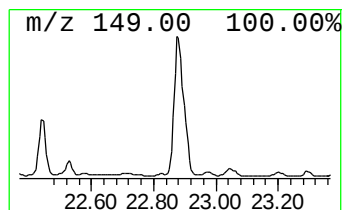
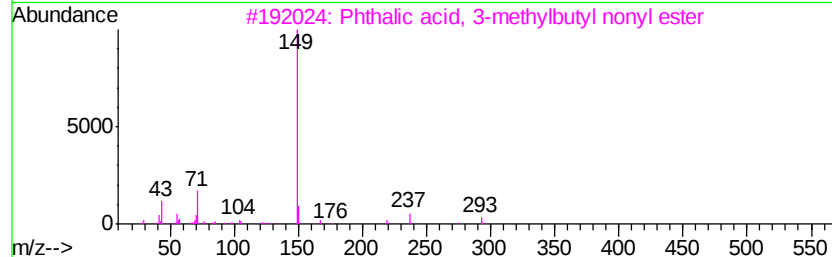
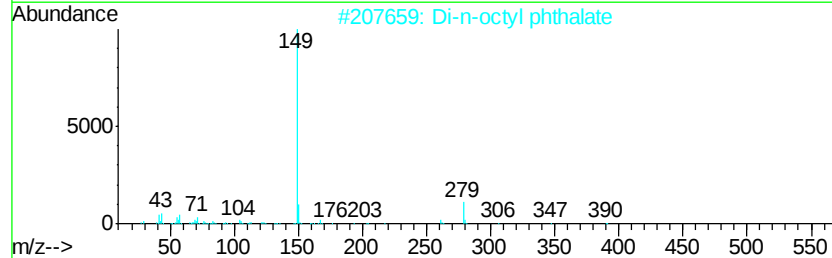
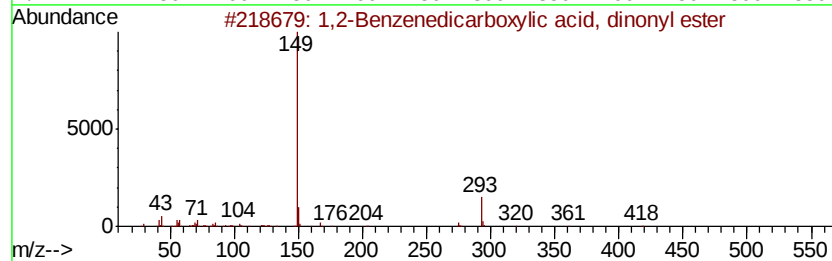
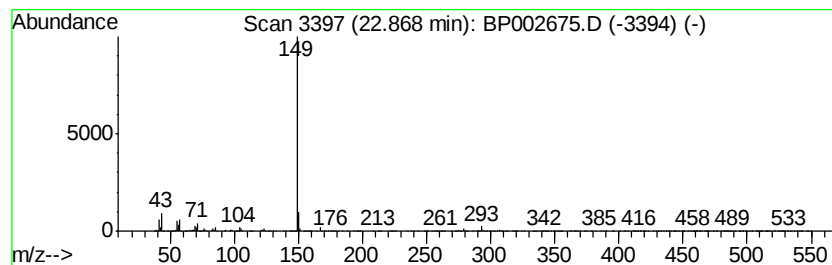
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 19 1,2-Benzenedicarboxylic aci... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.87	24.50 ng	4566710	Perylene-d12	23.29

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1,2-Benzenedicarboxylic acid, di...	418	C26H42O4	000084-76-4	90
2		Di-n-octyl phthalate	390	C24H38O4	000117-84-0	89
3		Phthalic acid, 3-methylbutyl non...	362	C22H34O4	1000356-81-0	86
4		Phthalic acid, hexyl tridecyl ester	432	C27H44O4	1000308-99-1	83
5		Phthalic acid, 4-methylpent-2-yl...	376	C23H36O4	1000356-87-9	80



Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP070820\
Data File : BP002675.D
Acq On : 08 Jul 2020 15:10
Operator : CG/JU
Sample : L3194-01
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
TUNNEL-WALL-WASHWATER(EXH)

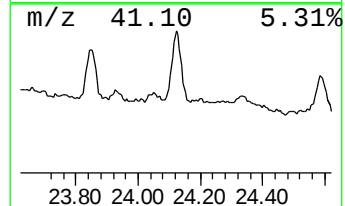
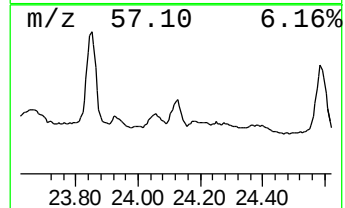
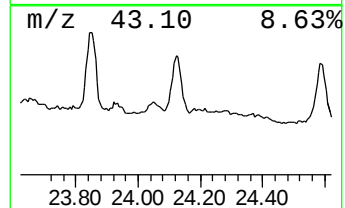
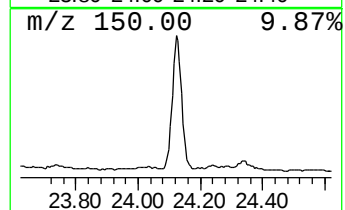
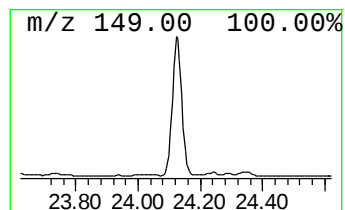
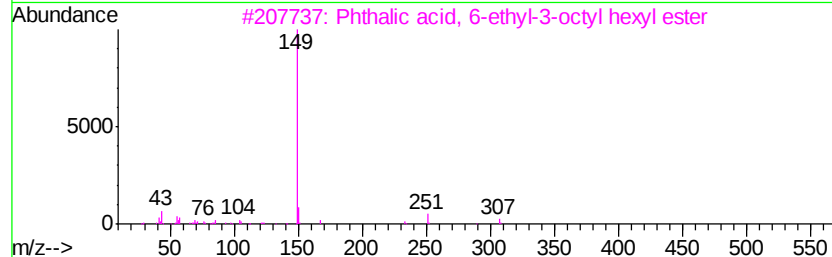
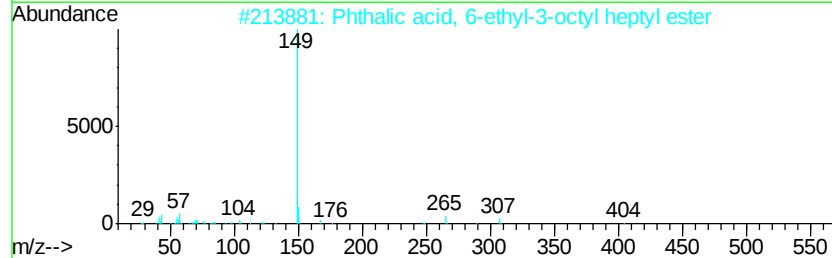
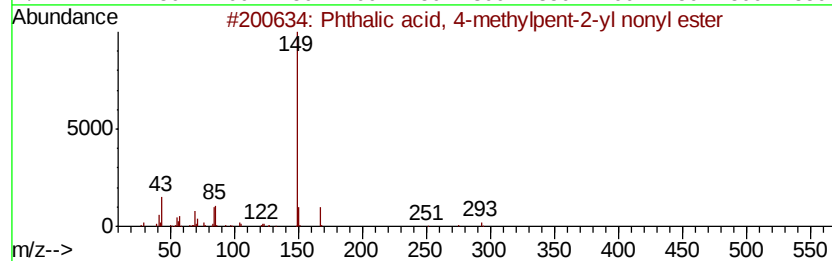
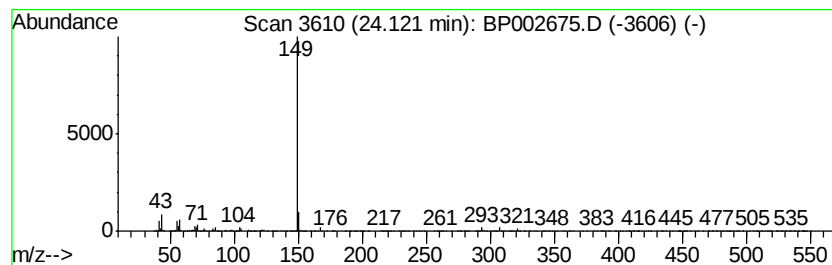
Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP062920.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 20 Phthalic acid, 4-methylpent... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.12	12.19 ng	2271260	Perylene-d12	23.29

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Phthalic acid, 4-methylpent-2-yl...	376	C23H36O4	1000356-87-9	80
2		Phthalic acid, 6-ethyl-3-octyl h...	404	C25H40O4	1000315-17-7	80
3		Phthalic acid, 6-ethyl-3-octyl h...	390	C24H38O4	1000315-17-6	80
4		Phthalic acid, heptadecyl 3-meth...	474	C30H50O4	1000356-81-8	72
5		Phthalic acid, 3-methylbutyl und...	390	C24H38O4	1000356-81-2	72



Data Path : Z:\SVOASRV\HPCHEM1\BNA_P\DATA\BP070820\
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 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 TUNNEL-WALL-WASHWATER(EXH)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP062920.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
 TIC Integration Parameters: LSCINT.P

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
Nonanoic acid	11.21	27.3	ng	1699430	2	10.34	1244120	20.0
Benzoic acid, 4-m...	11.32	5.3	ng	327765	2	10.34	1244120	20.0
Phthalic anhydride	12.12	16.7	ng	1036860	2	10.34	1244120	20.0
n-Decanoic acid	12.53	6.0	ng	567902	3	14.22	1878560	20.0
Ethanol, 2-[2-(2-...	13.78	5.6	ng	528239	3	14.22	1878560	20.0
Dodecanoic acid	14.69	9.5	ng	896237	3	14.22	1878560	20.0
2-Naphthalenecarb...	16.10	10.3	ng	1298570	4	16.97	2534390	20.0
3,6,9,12-Tetraoxa...	16.33	7.6	ng	958868	4	16.97	2534390	20.0
Benzenesulfonamid...	16.79	8.2	ng	1035260	4	16.97	2534390	20.0
Hexanedioic acid,...	17.20	6.9	ng	869183	4	16.97	2534390	20.0
n-Hexadecanoic acid	17.92	47.6	ng	6034550	4	16.97	2534390	20.0
Octadecanoic acid	19.16	25.3	ng	3419410	5	21.09	2702720	20.0
Tridecane, 1-iodo-	19.37	5.1	ng	691417	5	21.09	2702720	20.0
Octacosane	19.89	7.0	ng	950184	5	21.09	2702720	20.0
1-Decanol, 2-hexyl-	20.83	8.0	ng	1082060	5	21.09	2702720	20.0
Hexadecane, 6,11-...	22.15	8.1	ng	1098730	5	21.09	2702720	20.0
Heptadecane, 9-oc...	22.65	6.3	ng	1169580	6	23.29	3727710	20.0
1,2-Benzenedicarb...	22.87	24.5	ng	4566710	6	23.29	3727710	20.0
Phthalic acid, 4-...	24.12	12.2	ng	2271260	6	23.29	3727710	20.0