

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF043020\
 Data File : BF120251.D
 Acq On : 30 Apr 2020 20:40
 Operator : MA/SJ
 Sample : L2444-01
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SP-PVSC

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_F\METHODS\8270-BF040820.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	3.487	233	238	247	rVB	25748	45905	1.52%	0.140%
2	5.257	536	539	559	rVB	2431985	2496290	82.59%	7.623%
3	6.304	713	717	729	rVB	2580922	2477414	81.96%	7.565%
4	6.487	747	748	753	rVB	38315	36637	1.21%	0.112%
5	6.645	772	775	783	rVB	722717	673615	22.29%	2.057%
6	6.804	798	802	805	rBV	2562529	2031739	67.22%	6.204%
7	7.216	868	872	875	rBV	1957656	1570573	51.96%	4.796%
8	7.934	990	994	996	rBV	1093071	831089	27.50%	2.538%
9	7.957	996	998	1001	rVB	98979	80247	2.65%	0.245%
10	9.016	1174	1178	1181	rBV	3550105	2931536	96.99%	8.952%
11	9.116	1188	1195	1197	rBV4	22571	41587	1.38%	0.127%
12	9.416	1241	1246	1250	rVB	292302	259609	8.59%	0.793%
13	9.551	1267	1269	1273	rBV	42479	38424	1.27%	0.117%
14	9.692	1287	1293	1296	rBV	1144077	970048	32.09%	2.962%
15	9.722	1296	1298	1303	rVB	61486	56514	1.87%	0.173%
16	9.898	1324	1328	1329	rBV	56156	50180	1.66%	0.153%
17	10.239	1383	1386	1389	rBV	60730	48525	1.61%	0.148%
18	10.351	1402	1405	1410	rBV	146028	133507	4.42%	0.408%
19	10.480	1423	1427	1431	rBV	1932618	1799107	59.52%	5.494%
20	10.622	1445	1451	1456	rVB3	71888	122103	4.04%	0.373%
21	10.986	1510	1513	1517	rVB	48003	45190	1.50%	0.138%
22	11.086	1526	1530	1533	rVB2	51521	76211	2.52%	0.233%
23	11.175	1542	1545	1548	rBV	945943	953293	31.54%	2.911%
24	11.198	1548	1549	1552	rVV	633480	464617	15.37%	1.419%
25	11.251	1555	1558	1561	rVB	124983	103120	3.41%	0.315%
26	11.286	1561	1564	1568	rBV4	36157	55064	1.82%	0.168%
27	11.410	1583	1585	1588	rBV	77587	71931	2.38%	0.220%
28	11.680	1628	1631	1633	rBV	84216	69952	2.31%	0.214%
29	11.727	1633	1639	1642	rBV2	1017034	1015916	33.61%	3.102%
30	11.792	1646	1650	1652	rBV	146619	163558	5.41%	0.499%
31	11.974	1679	1681	1683	rBV	61408	45471	1.50%	0.139%
32	12.004	1683	1686	1688	rVB2	82471	68446	2.26%	0.209%
33	12.127	1704	1707	1709	rVB3	56872	49328	1.63%	0.151%
34	12.233	1722	1725	1728	rBV	66828	82271	2.72%	0.251%

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35	12.316	1736	1739	1743	rVB3	83699	93858	3.11%	0.287%
36	12.392	1748	1752	1755	rBV	1037881	924187	30.58%	2.822%
37	12.433	1756	1759	1766	rVB5	176416	238563	7.89%	0.729%
38	12.486	1766	1768	1769	rBV2	50243	41499	1.37%	0.127%
39	12.510	1769	1772	1782	rVB2	688668	693231	22.94%	2.117%
40	12.621	1785	1791	1795	rBV	765508	947101	31.33%	2.892%
41	12.769	1812	1816	1822	rVB	2974173	3022561	100.00%	9.230%
42	13.016	1855	1858	1860	rBV2	104439	107594	3.56%	0.329%
43	13.051	1861	1864	1868	rBV	111408	131227	4.34%	0.401%
44	13.563	1949	1951	1954	rBV2	83528	80652	2.67%	0.246%
45	13.680	1968	1971	1977	rVB2	351271	398137	13.17%	1.216%
46	13.821	1990	1995	1997	rBV2	1083344	1355445	44.84%	4.139%
47	13.845	1997	1999	2002	rVB	412194	307641	10.18%	0.939%
48	13.998	2023	2025	2032	rVB4	151500	169977	5.62%	0.519%
49	14.304	2075	2077	2080	rBV	216863	238749	7.90%	0.729%
50	14.598	2125	2127	2133	rBV	242397	276550	9.15%	0.845%
51	14.833	2163	2167	2170	rBV	436418	623133	20.62%	1.903%
52	14.915	2178	2181	2188	rVB2	283290	338165	11.19%	1.033%
53	15.110	2212	2214	2221	rVB	221190	277213	9.17%	0.847%
54	15.168	2221	2224	2230	rVV	349184	448300	14.83%	1.369%
55	15.227	2230	2234	2237	rVV	692235	898730	29.73%	2.745%
56	15.262	2237	2240	2246	rVB2	346935	439537	14.54%	1.342%
57	15.662	2306	2308	2313	rVB	212604	230903	7.64%	0.705%
58	16.580	2461	2464	2472	rVB2	157544	281183	9.30%	0.859%
59	16.986	2530	2533	2539	rBV	96720	223097	7.38%	0.681%

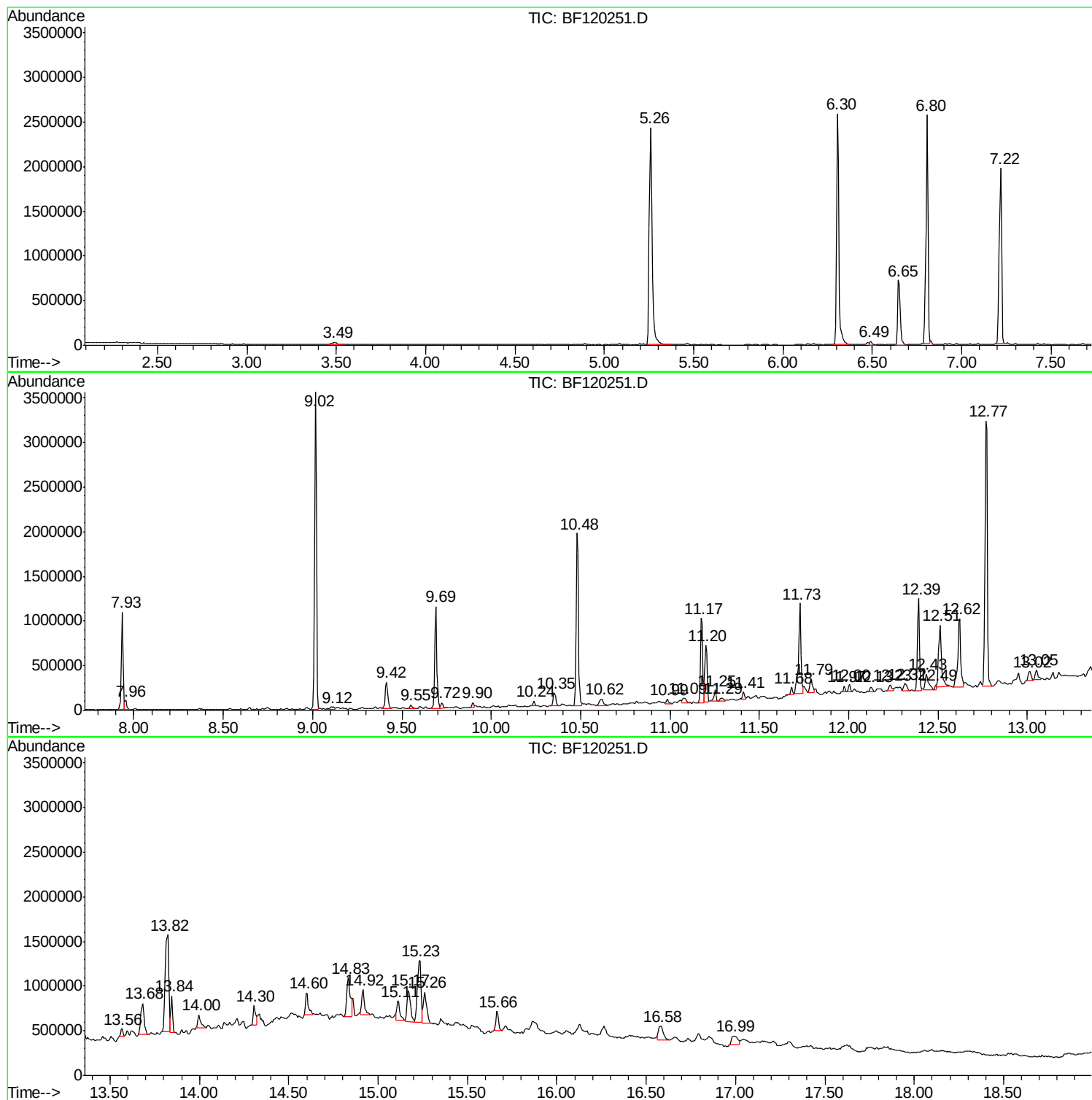
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P



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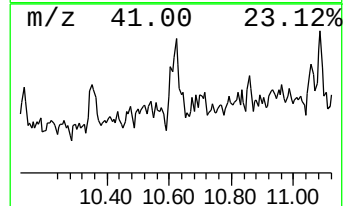
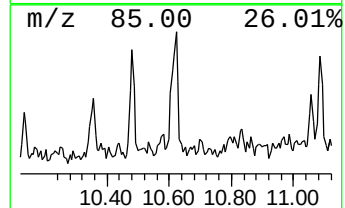
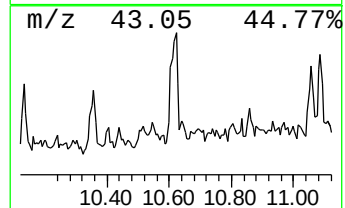
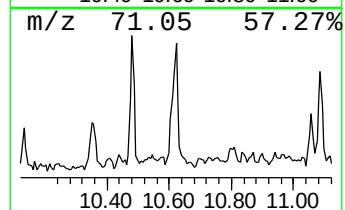
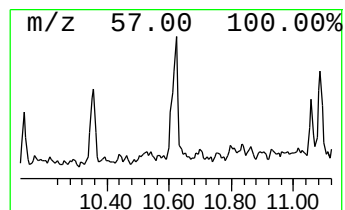
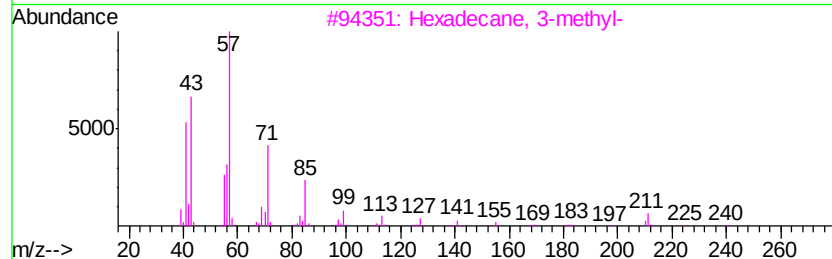
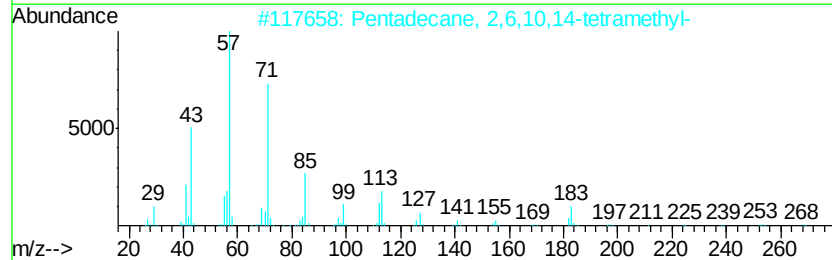
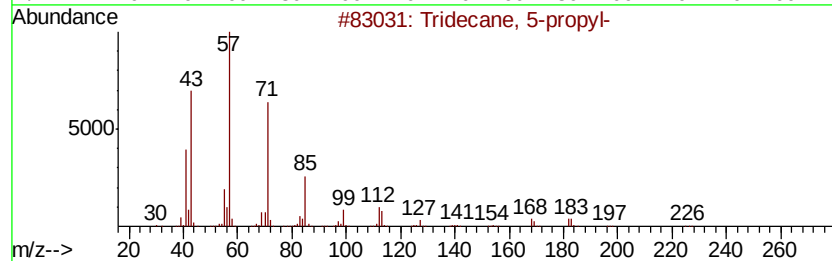
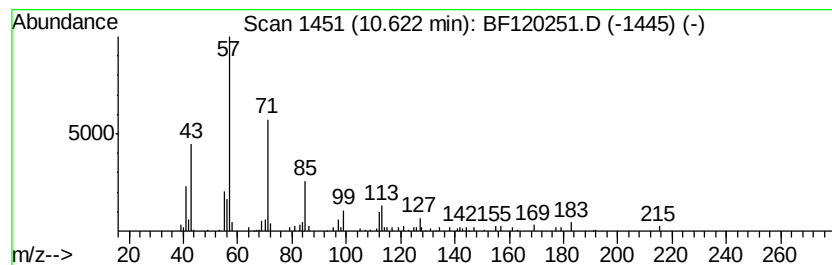
Instrument :
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 2 Tridecane, 5-propyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.	
10.62	2.56 ng	122103	Phenanthrene-d10	11.17	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecane, 5-propyl-	226	C16H34	055045-11-9	90
2	Pentadecane, 2,6,10,14-tetramethyl-	268	C19H40	001921-70-6	90
3	Hexadecane, 3-methyl-	240	C17H36	006418-43-5	64
4	Octane, 3,5-dimethyl-	142	C10H22	015869-93-9	62
5	Hexadecane	226	C16H34	000544-76-3	59



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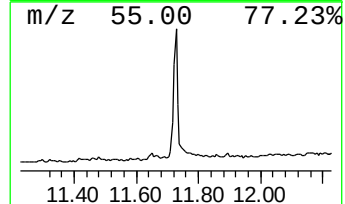
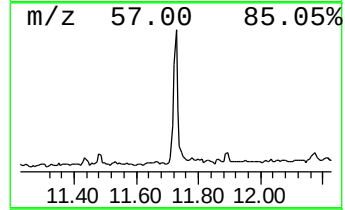
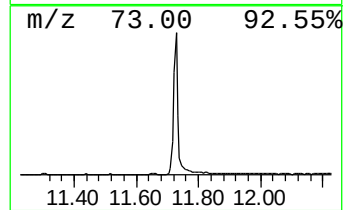
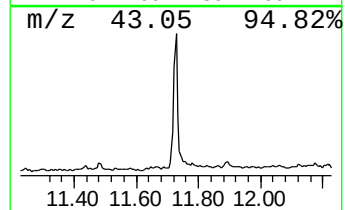
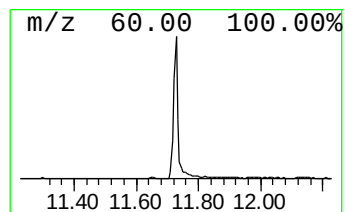
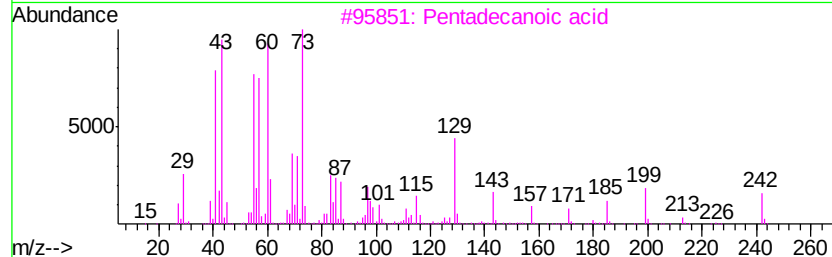
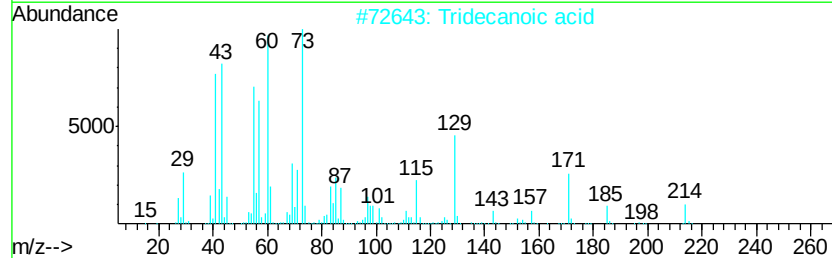
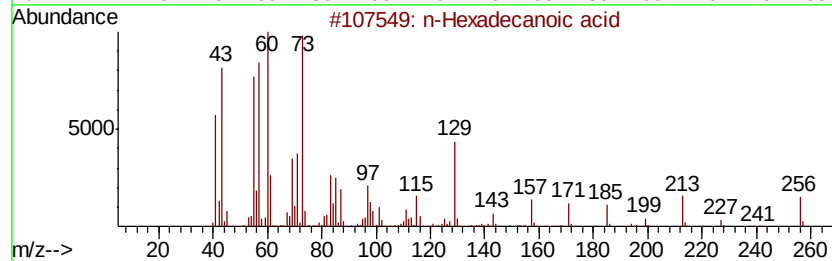
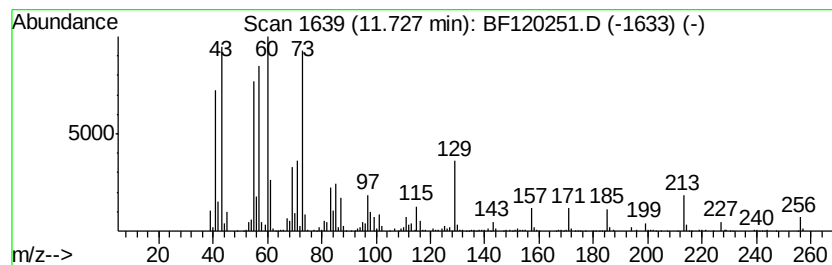
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 3 n-Hexadecanoic acid Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.73	21.31 ng	1015920	Phenanthrene-d10	11.17

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		n-Hexadecanoic acid	256	C16H32O2	000057-10-3	94
2		Tridecanoic acid	214	C13H26O2	000638-53-9	93
3		Pentadecanoic acid	242	C15H30O2	001002-84-2	90
4		Tetradecanoic acid	228	C14H28O2	000544-63-8	64
5		Dodecanoic acid	200	C12H24O2	000143-07-7	59



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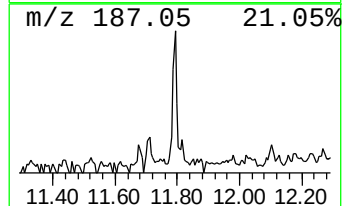
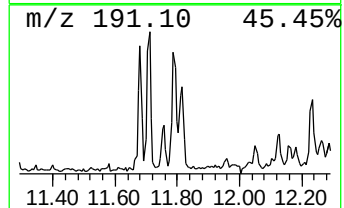
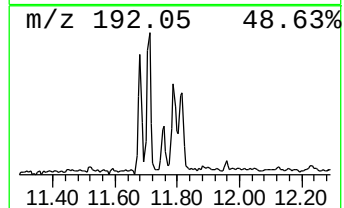
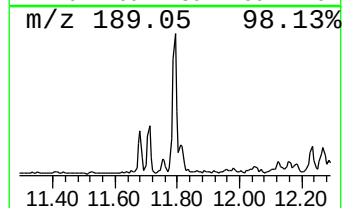
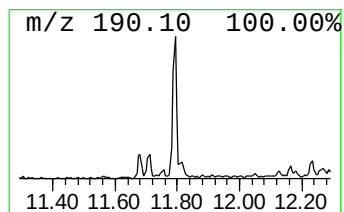
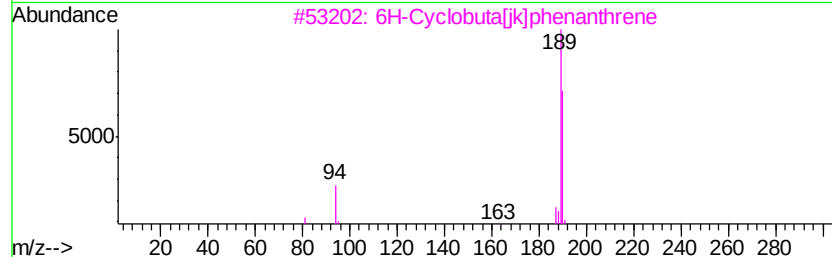
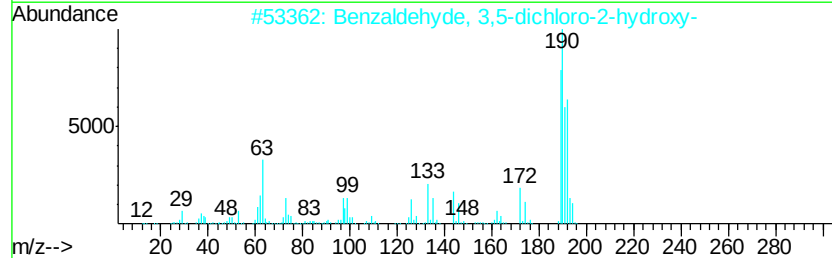
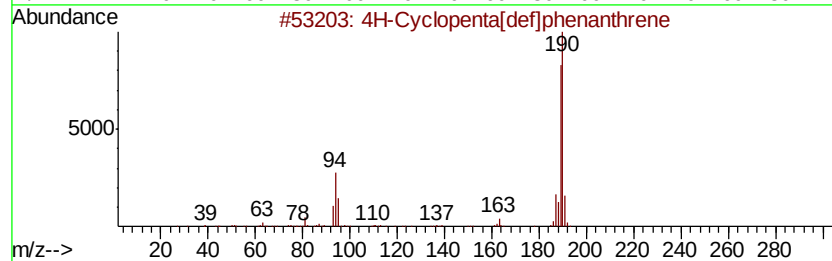
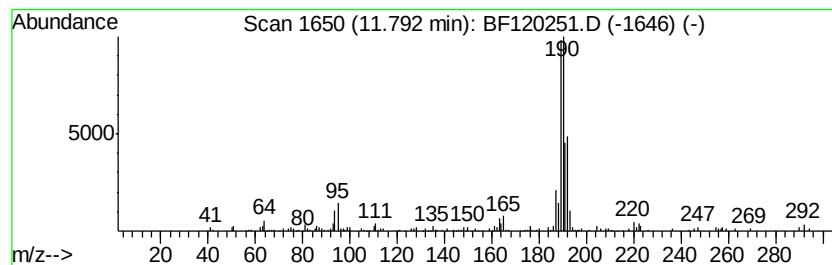
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 4 4H-Cyclopenta[def]phenanthrene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.		
11.79	3.43 ng	163558	Phenanthrene-d10	11.17		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	91
2		Benzaldehyde, 3,5-dichloro-2-hyd...	190	C7H4Cl2O2	000090-60-8	53
3		6H-Cyclobuta[f]phenanthrene	190	C15H10	083469-43-6	50
4		2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	43
5		2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	37



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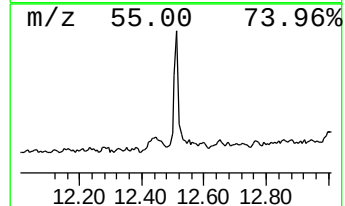
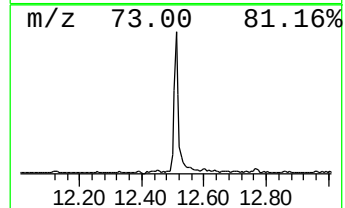
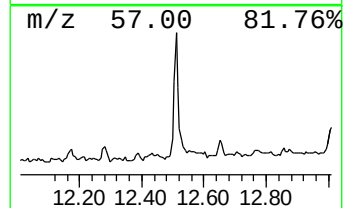
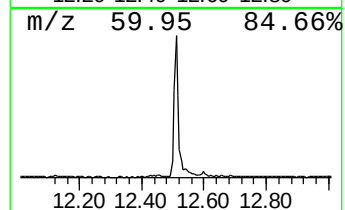
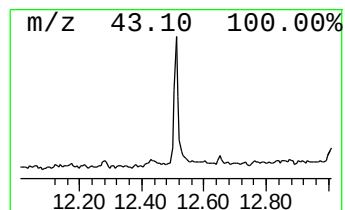
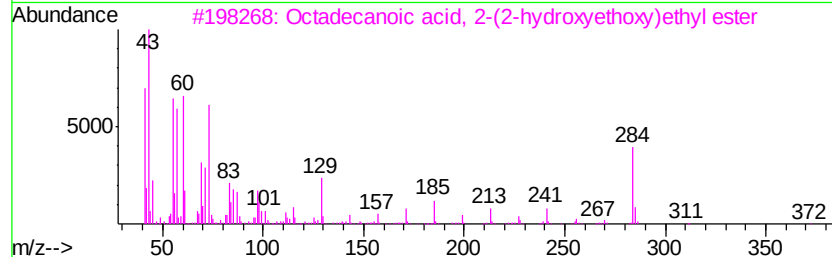
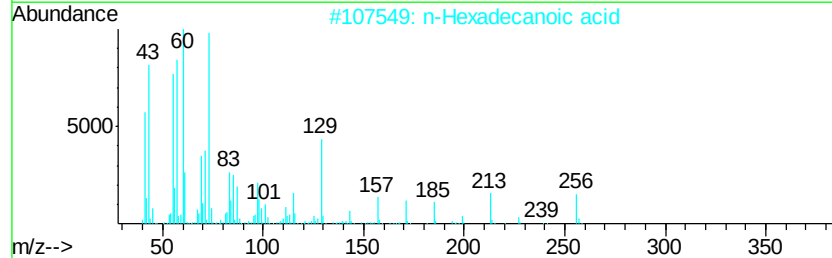
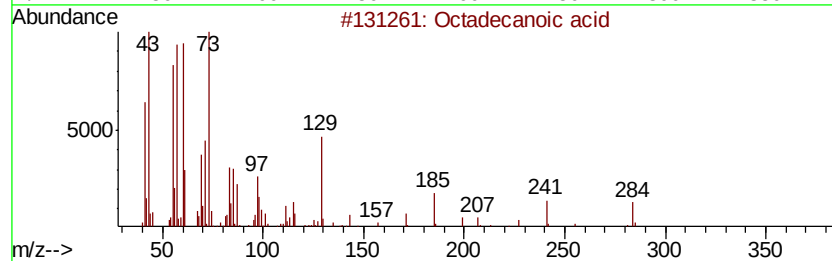
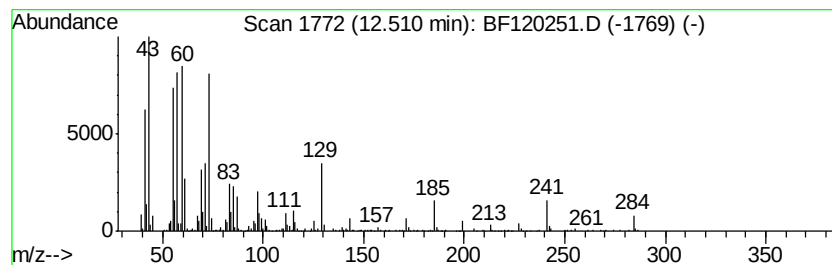
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 5 Octadecanoic acid Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.51	10.23 ng	693231	Chrysene-d12	13.82

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Octadecanoic acid	284	C18H36O2	000057-11-4	99
2		n-Hexadecanoic acid	256	C16H32O2	000057-10-3	83
3		Octadecanoic acid, 2-(2-hydroxyve...	372	C22H44O4	000106-11-6	80
4		Tetradecanoic acid	228	C14H28O2	000544-63-8	72
5		Pentadecanoic acid	242	C15H30O2	001002-84-2	72



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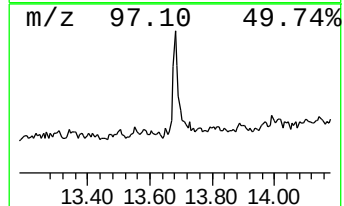
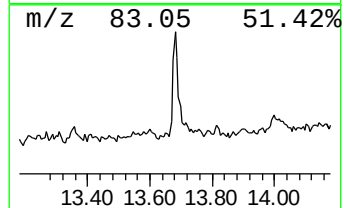
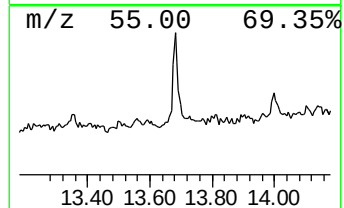
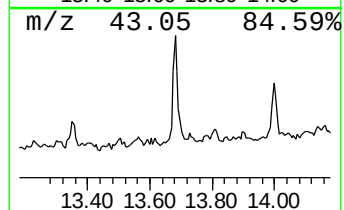
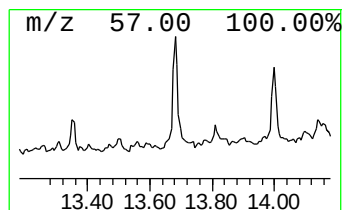
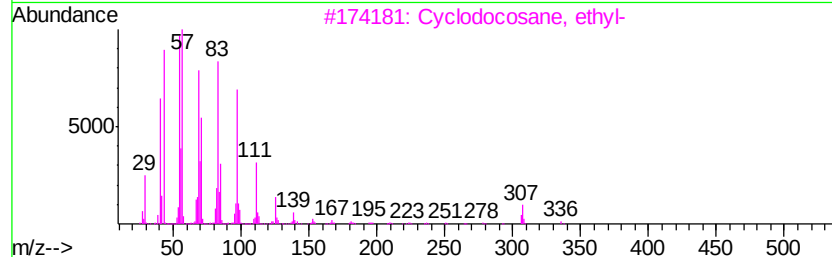
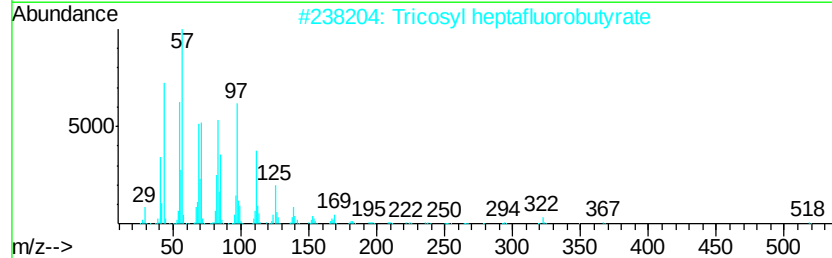
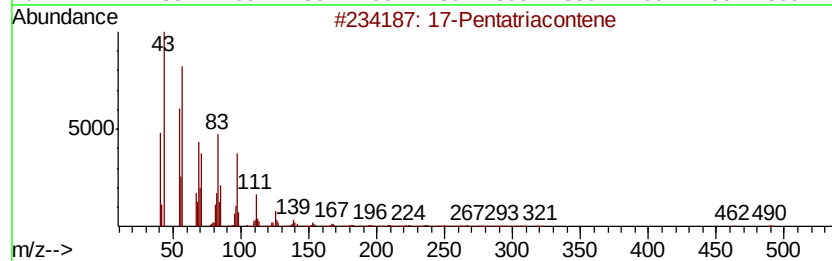
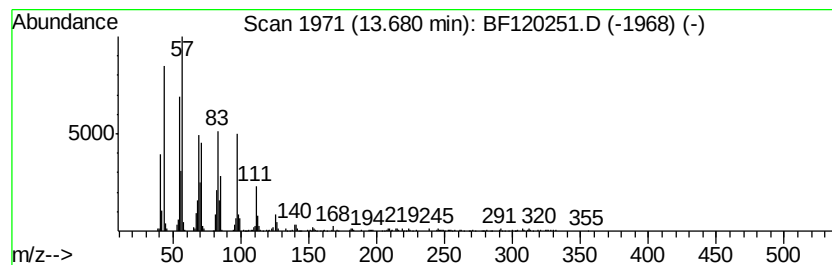
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ClientSampleId :
SP-PVSC

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF040820.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 17-Pentatriacontene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.	
13.68	5.87 ng	398137	Chrysene-d12	13.82	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	17-Pentatriacontene	491	C35H70	006971-40-0	91
2	Tricosyl heptafluorobutyrate	536	C27H47F7O2	1000351-83-4	91
3	Cyclodocosane, ethyl-	336	C24H48	1000151-22-6	68
4	1-Decanol, 2-hexyl-	242	C16H34O	002425-77-6	68
5	Trifluoroacetic acid, pentadecyl...	324	C17H31F3O2	959010-23-2	64



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF043020\
Data File : BF120251.D
Acq On : 30 Apr 2020 20:40
Operator : MA/SJ
Sample : L2444-01
Misc :
ALS Vial : 20 Sample Multiplier: 1

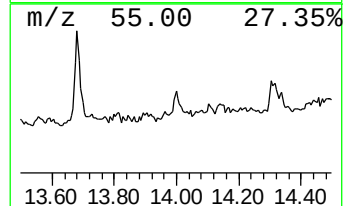
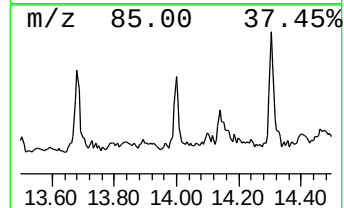
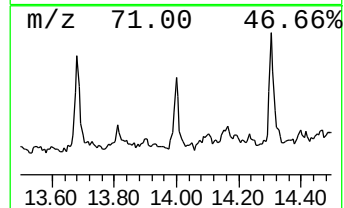
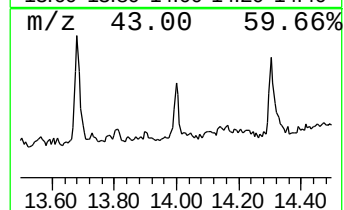
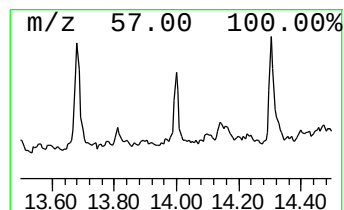
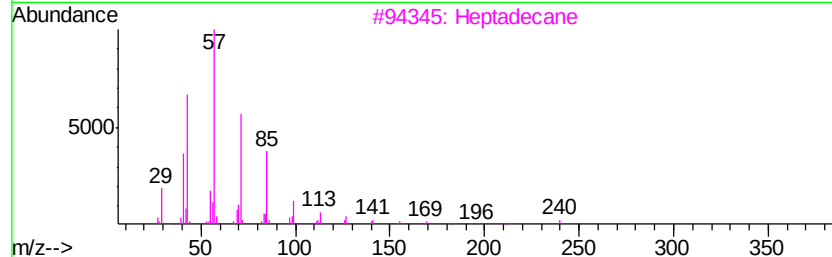
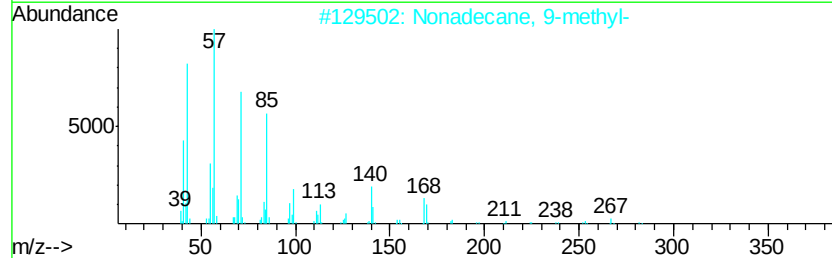
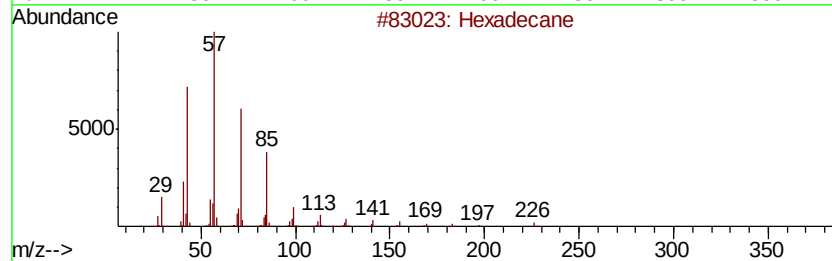
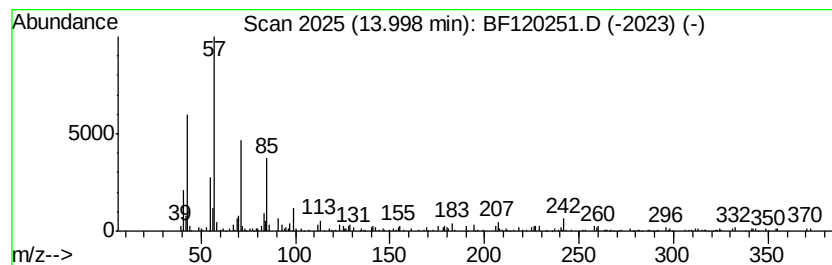
Instrument :
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ClientSampleId :
SP-PVSC

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF040820.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 Hexadecane Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD		R.T.
14.00	2.51 ng	169977	Chrysene-d12		13.82
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecane	226	C16H34	000544-76-3	91
2	Nonadecane, 9-methyl-	282	C20H42	013287-24-6	87
3	Heptadecane	240	C17H36	000629-78-7	87
4	Decane, 1-iodo-	268	C10H21I	002050-77-3	87
5	1-Iodoundecane	282	C11H23I	004282-44-4	87



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF043020\
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Operator : MA/SJ
Sample : L2444-01
Misc :
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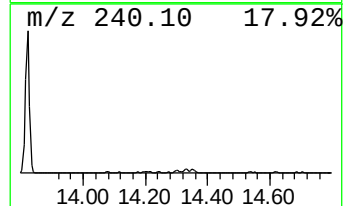
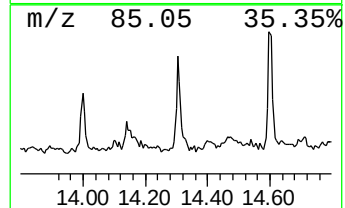
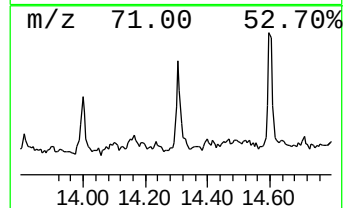
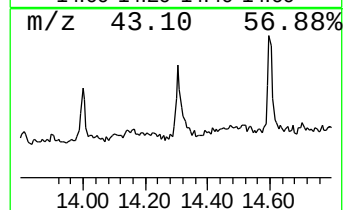
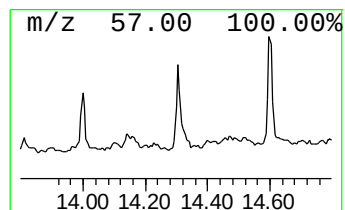
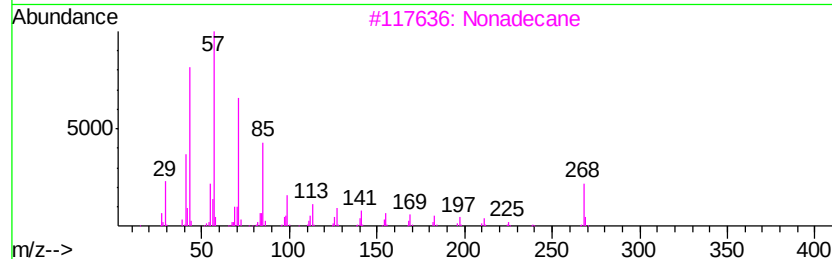
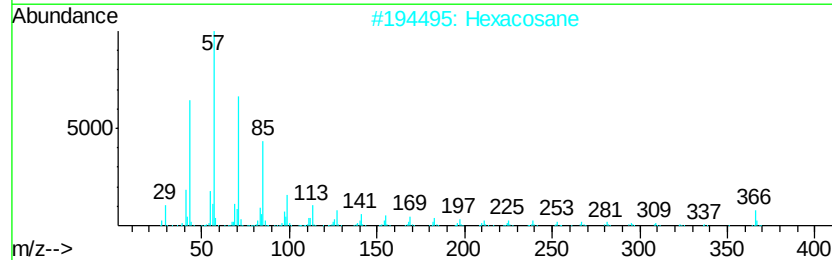
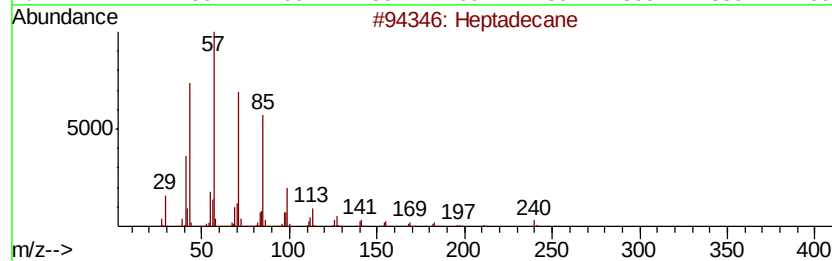
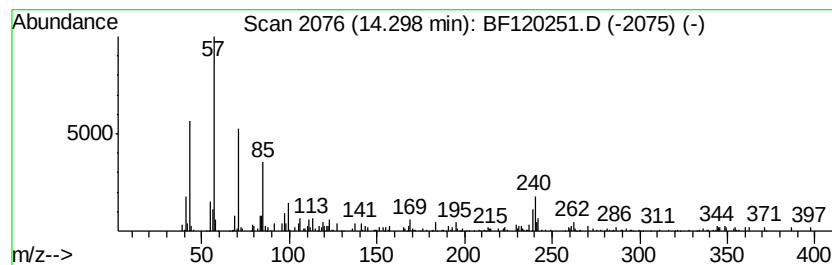
Instrument :
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ClientSampleId :
SP-PVSC

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF040820.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 Heptadecane Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD		R.T.
14.30	3.52 ng	238749	Chrysene-d12		13.82
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptadecane	240	C17H36	000629-78-7	90
2	Hexacosane	366	C26H54	000630-01-3	76
3	Nonadecane	268	C19H40	000629-92-5	64
4	Eicosane, 3-methyl-	296	C21H44	006418-46-8	53
5	Heptacosane	380	C27H56	000593-49-7	53



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF043020\
 Data File : BF120251.D
 Acq On : 30 Apr 2020 20:40
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 Sample : L2444-01
 Misc :
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Instrument :
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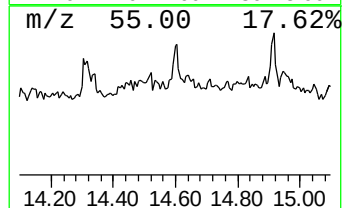
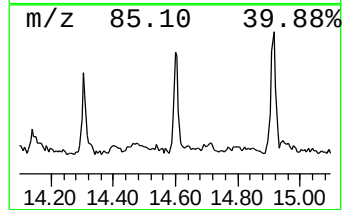
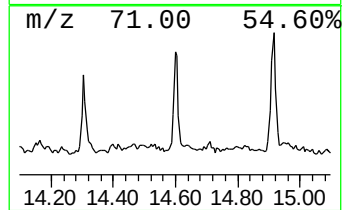
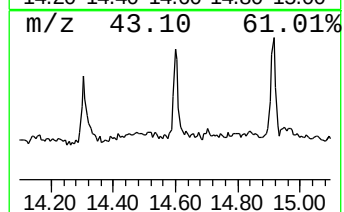
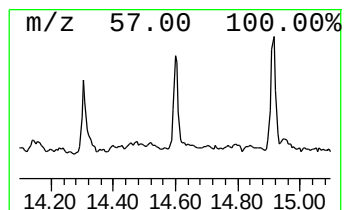
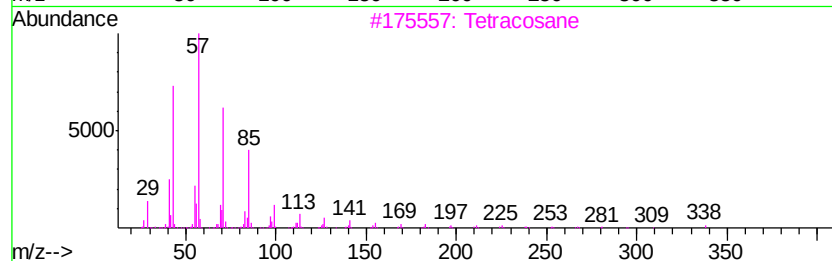
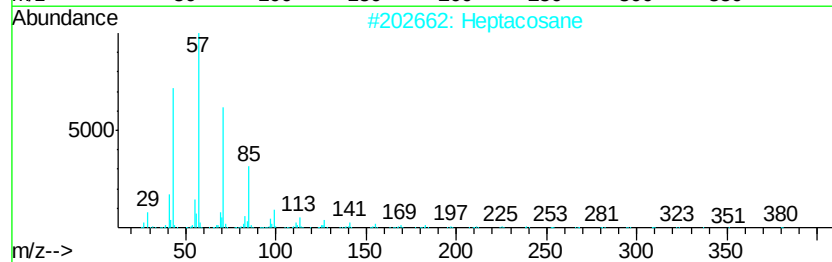
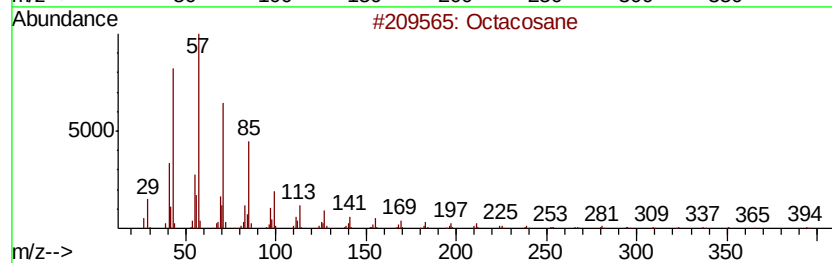
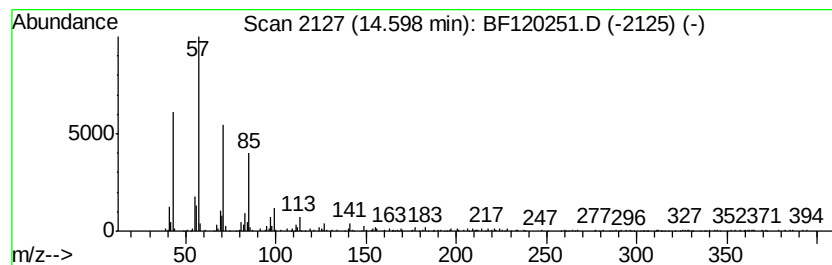
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 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

 Peak Number 9 Octacosane Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.60	6.15 ng	276550	Perylene-d12	15.23

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Octacosane	394	C28H58	000630-02-4	95
2		Heptacosane	380	C27H56	000593-49-7	87
3		Tetracosane	338	C24H50	000646-31-1	83
4		Tricosane, 2-methyl-	338	C24H50	001928-30-9	83
5		Eicosane	282	C20H42	000112-95-8	83



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF043020\
Data File : BF120251.D
Acq On : 30 Apr 2020 20:40
Operator : MA/SJ
Sample : L2444-01
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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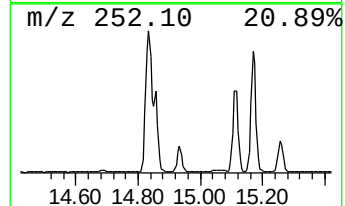
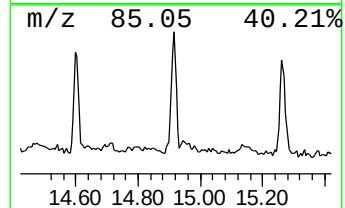
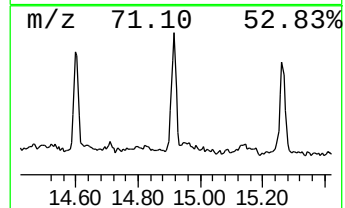
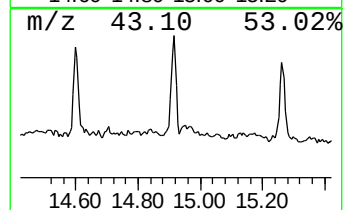
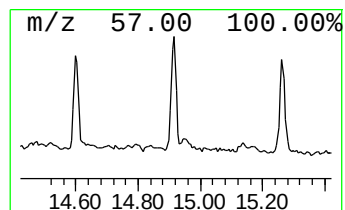
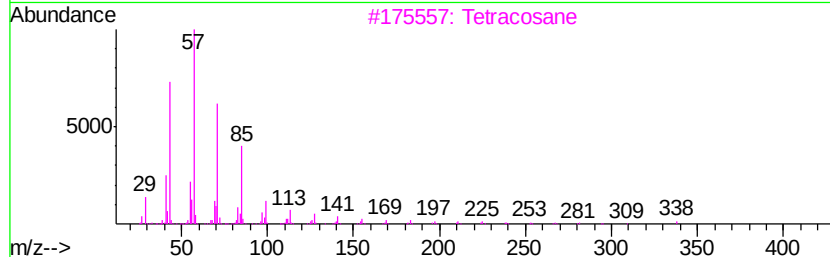
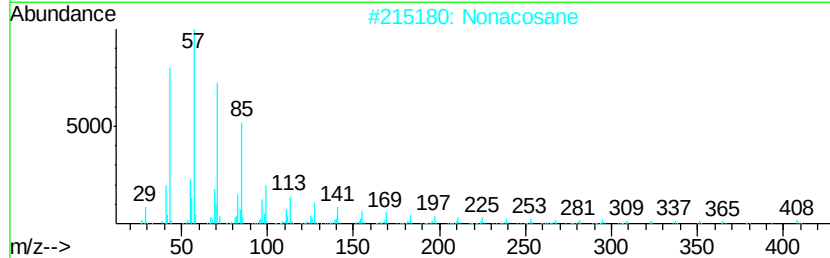
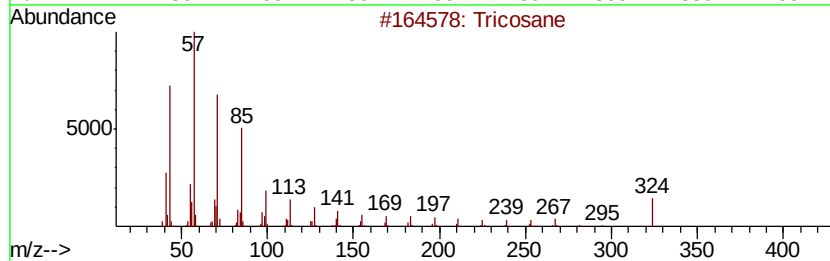
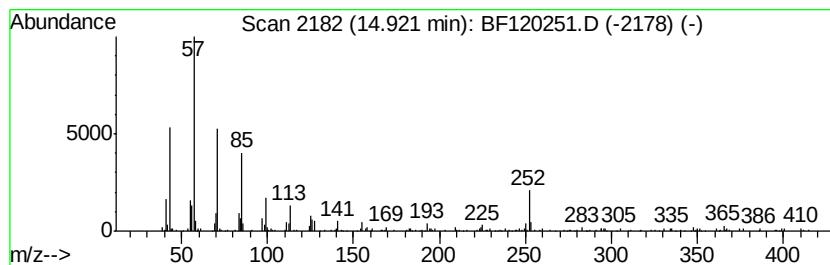
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 Tricosane Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.92	7.53 ng	338165	Perylene-d12	15.23

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Tricosane	324	C23H48	000638-67-5	91
2			Nonacosane	408	C29H60	000630-03-5	90
3			Tetracosane	338	C24H50	000646-31-1	87
4			Octadecane	254	C18H38	000593-45-3	83
5			Heneicosane	296	C21H44	000629-94-7	81



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF043020\
Data File : BF120251.D
Acq On : 30 Apr 2020 20:40
Operator : MA/SJ
Sample : L2444-01
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SP-PVSC

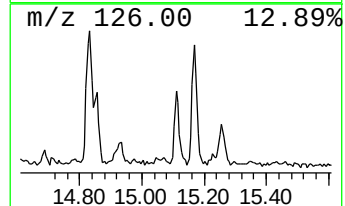
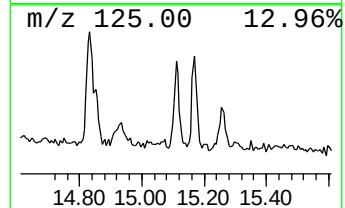
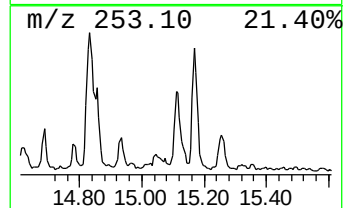
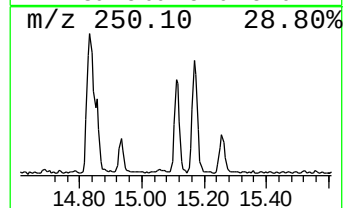
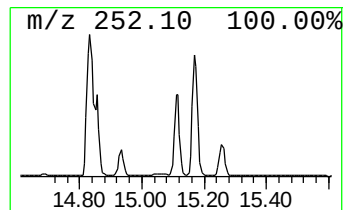
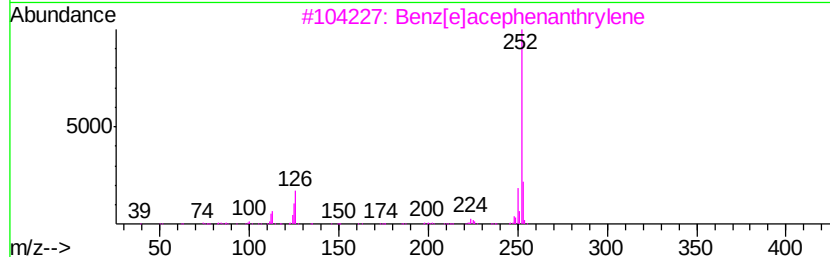
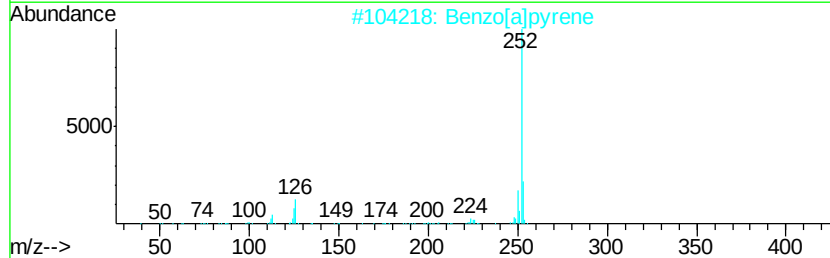
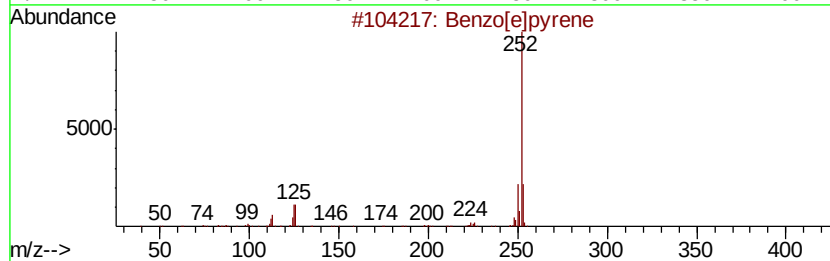
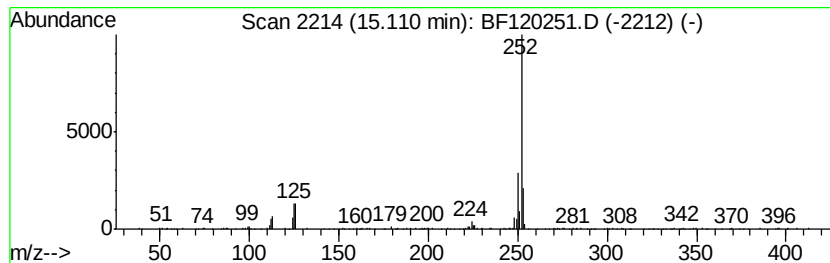
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 11 Benzo[e]pyrene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.11	6.17 ng	277213	Perylene-d12	15.23

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzo[e]pyrene	252	C20H12	000192-97-2	98
2		Benzo[a]pyrene	252	C20H12	000050-32-8	98
3		Benzo[e]acephenanthrylene	252	C20H12	000205-99-2	98
4		Benzo[k]fluoranthene	252	C20H12	000207-08-9	98
5		Perylene	252	C20H12	000198-55-0	96



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF043020\
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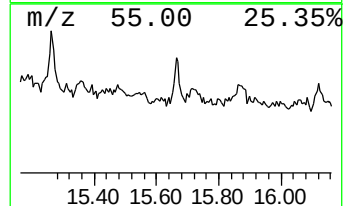
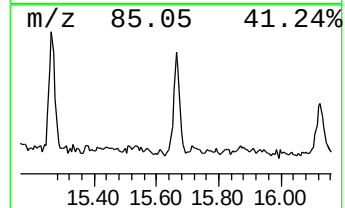
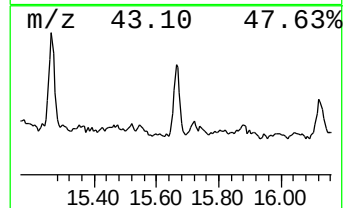
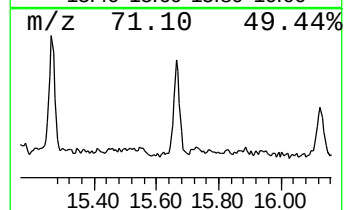
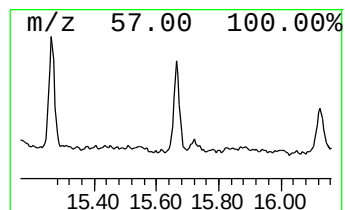
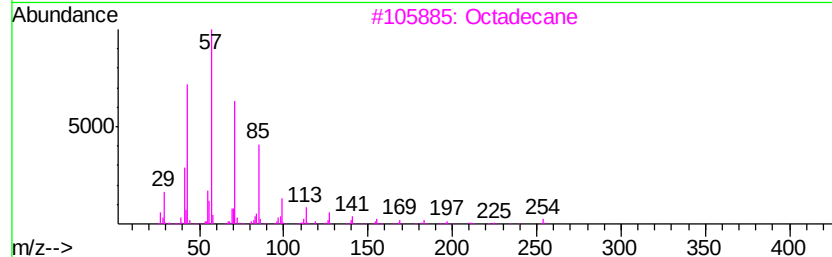
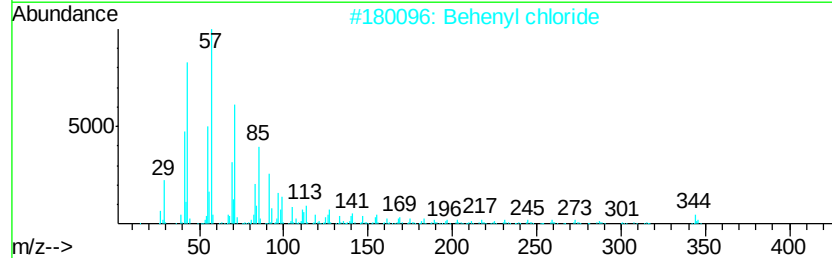
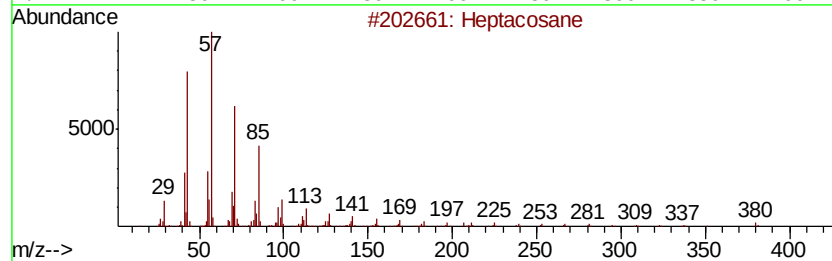
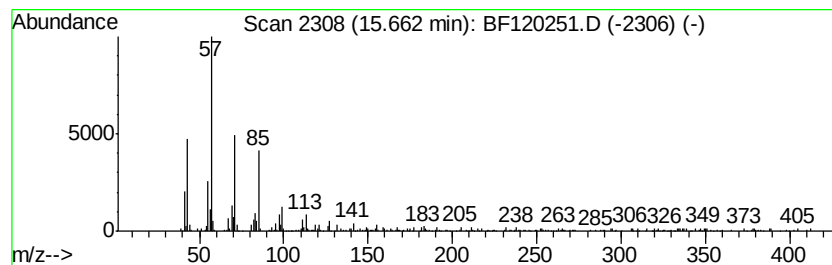
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ClientSampleId :
SP-PVSC

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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 Heptacosane Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD		R.T.
15.66	5.14 ng	230903	Perylene-d12		15.23
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptacosane	380	C27H56	000593-49-7	83
2	Behenyl chloride	344	C22H45Cl	042217-03-8	83
3	Octadecane	254	C18H38	000593-45-3	83
4	1-Iodoundecane	282	C11H23I	004282-44-4	83
5	Heptadecane, 9-octyl-	352	C25H52	007225-64-1	83



Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF043020\
 Data File : BF120251.D
 Acq On : 30 Apr 2020 20:40
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 Sample : L2444-01
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
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 ClientSampleId :
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF040820.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
Tridecane, 5-propyl-	10.62	2.6 ng		122103	4	11.17	953293	20.0
n-Hexadecanoic acid	11.73	21.3 ng		1015920	4	11.17	953293	20.0
4H-Cyclopenta[def...	11.79	3.4 ng		163558	4	11.17	953293	20.0
Octadecanoic acid	12.51	10.2 ng		693231	5	13.82	1355450	20.0
17-Pentatriacontene	13.68	5.9 ng		398137	5	13.82	1355450	20.0
Hexadecane	14.00	2.5 ng		169977	5	13.82	1355450	20.0
Heptadecane	14.30	3.5 ng		238749	5	13.82	1355450	20.0
Octacosane	14.60	6.2 ng		276550	6	15.23	898730	20.0
Tricosane	14.92	7.5 ng		338165	6	15.23	898730	20.0
Benzo[e]pyrene	15.11	6.2 ng		277213	6	15.23	898730	20.0
Heptacosane	15.66	5.1 ng		230903	6	15.23	898730	20.0