

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF051519\
 Data File : BF114295.D
 Acq On : 15 May 2019 20:06
 Operator : JU/SJ
 Sample : K2851-01
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-COMP

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-BF051019.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	2.163	5	13	25	rVB	1481046	2028353	28.80%	2.572%
2	3.946	311	316	322	rVB	113889	153898	2.18%	0.195%
3	5.446	567	571	574	rBV	97077	115163	1.64%	0.146%
4	5.493	574	579	582	rBV	5968794	6258139	88.85%	7.937%
5	6.498	744	750	753	rBV	5877944	6981420	99.12%	8.854%
6	6.628	767	772	775	rBV	6474148	6532144	92.74%	8.285%
7	6.681	778	781	784	rVB2	67085	72135	1.02%	0.091%
8	6.845	806	809	816	rVB	1735751	1554378	22.07%	1.971%
9	7.004	832	836	840	rBV	5197819	5118471	72.67%	6.492%
10	7.410	894	905	908	rBV	4179150	4448414	63.16%	5.642%
11	8.128	1021	1027	1030	rBV	2072201	2041063	28.98%	2.589%
12	8.151	1030	1031	1034	rVB	341308	182920	2.60%	0.232%
13	8.551	1095	1099	1103	rBV	88605	96183	1.37%	0.122%
14	8.716	1123	1127	1132	rBV	75465	86321	1.23%	0.109%
15	8.839	1146	1148	1153	rVB	138851	129516	1.84%	0.164%
16	8.939	1162	1165	1168	rBV	85135	71774	1.02%	0.091%
17	9.204	1205	1210	1213	rBV	7216342	7043482	100.00%	8.933%
18	9.281	1220	1223	1225	rBV2	96920	88339	1.25%	0.112%
19	9.304	1225	1227	1233	rVB	85980	80242	1.14%	0.102%
20	9.539	1264	1267	1270	rBV	79589	88819	1.26%	0.113%
21	9.592	1273	1276	1281	rVB	1129046	1031570	14.65%	1.308%
22	9.810	1307	1313	1316	rBV	115172	114199	1.62%	0.145%
23	9.881	1318	1325	1329	rBV	2247726	2179452	30.94%	2.764%
24	9.916	1329	1331	1334	rVB2	122423	108688	1.54%	0.138%
25	10.086	1355	1360	1364	rBV	128599	132931	1.89%	0.169%
26	10.310	1396	1398	1401	rVB	126525	92613	1.31%	0.117%
27	10.428	1415	1418	1424	rBV3	98893	126343	1.79%	0.160%
28	10.533	1431	1436	1442	rBV4	90537	139176	1.98%	0.177%
29	10.675	1453	1460	1464	rBV	4420181	4687159	66.55%	5.945%
30	10.733	1467	1470	1476	rVV	122452	197168	2.80%	0.250%
31	10.780	1476	1478	1479	rVV	129762	100725	1.43%	0.128%
32	10.798	1479	1481	1487	rVB3	123062	126614	1.80%	0.161%
33	11.175	1542	1545	1548	rBV2	81301	85671	1.22%	0.109%
34	11.227	1550	1554	1557	rVV2	129160	154031	2.19%	0.195%

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35	11.263	1557	1560	1566	rVB3	96332	118797	1.69%	0.151%
36	11.369	1574	1578	1580	rBV	2675617	2331813	33.11%	2.957%
37	11.392	1580	1582	1585	rVV	935412	752844	10.69%	0.955%
38	11.445	1588	1591	1594	rVV	184831	171354	2.43%	0.217%
39	11.480	1594	1597	1603	rVV4	43086	96924	1.38%	0.123%
40	11.657	1624	1627	1630	rVB2	86696	80095	1.14%	0.102%
41	11.704	1632	1635	1640	rVB2	53765	73593	1.04%	0.093%
42	11.869	1660	1663	1665	rBV	136656	136921	1.94%	0.174%
43	11.898	1665	1668	1674	rVB2	983973	995662	14.14%	1.263%
44	11.980	1679	1682	1685	rVV2	223763	244036	3.46%	0.310%
45	12.004	1685	1686	1690	rVB	108856	72474	1.03%	0.092%
46	12.063	1692	1696	1698	rBV	111032	118052	1.68%	0.150%
47	12.163	1710	1713	1716	rBV	141600	140074	1.99%	0.178%
48	12.192	1716	1718	1724	rVB2	55418	82469	1.17%	0.105%
49	12.316	1733	1739	1742	rBV3	79667	121877	1.73%	0.155%
50	12.422	1754	1757	1759	rBV	167370	153701	2.18%	0.195%
51	12.451	1759	1762	1765	rVV2	143023	146048	2.07%	0.185%
52	12.510	1769	1772	1776	rVB3	82783	96232	1.37%	0.122%
53	12.580	1781	1784	1789	rBV	1039667	958228	13.60%	1.215%
54	12.674	1798	1800	1804	rBV	167382	179431	2.55%	0.228%
55	12.810	1817	1823	1830	rVB	885324	1008577	14.32%	1.279%
56	12.869	1830	1833	1837	rVB2	92390	112541	1.60%	0.143%
57	12.957	1841	1848	1851	rBV	6760898	6968747	98.94%	8.838%
58	13.027	1856	1860	1868	rBV6	92999	194869	2.77%	0.247%
59	13.116	1872	1875	1877	rVV2	76396	89262	1.27%	0.113%
60	13.139	1877	1879	1882	rVV	152471	140781	2.00%	0.179%
61	13.174	1883	1885	1888	rVV	86584	81633	1.16%	0.104%
62	13.204	1888	1890	1893	rVV	102018	94800	1.35%	0.120%
63	13.245	1894	1897	1902	rVB3	96303	112962	1.60%	0.143%
64	13.516	1941	1943	1946	rBV2	85980	80341	1.14%	0.102%
65	13.651	1964	1966	1970	rVB	115840	104679	1.49%	0.133%
66	13.763	1982	1985	1987	rBV	98939	88913	1.26%	0.113%
67	13.845	1995	1999	2010	rVB2	1031550	1502709	21.33%	1.906%
68	14.016	2023	2028	2030	rBV2	2219959	2486929	35.31%	3.154%
69	14.039	2030	2032	2035	rVB	428041	346005	4.91%	0.439%
70	14.168	2051	2054	2059	rBV2	143977	167607	2.38%	0.213%
71	14.404	2092	2094	2097	rVB	102408	96430	1.37%	0.122%

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72	14.480	2103	2107	2114	rBV3	202787	340980	4.84%	0.432%
73	14.786	2156	2159	2163	rVB	201425	191468	2.72%	0.243%
74	14.927	2181	2183	2187	rVB4	75882	79468	1.13%	0.101%
75	15.063	2202	2206	2210	rBV	375318	547830	7.78%	0.695%
76	15.121	2213	2216	2220	rVB	257417	261679	3.72%	0.332%
77	15.368	2254	2258	2264	rVB	210165	276249	3.92%	0.350%
78	15.433	2265	2269	2274	rVB	272285	341343	4.85%	0.433%
79	15.498	2274	2280	2294	rVB	1600174	2344609	33.29%	2.974%
80	15.933	2349	2354	2359	rBV	291223	408005	5.79%	0.517%
81	15.998	2360	2365	2372	rBV7	93608	229277	3.26%	0.291%
82	16.433	2435	2439	2445	rBV2	109395	164422	2.33%	0.209%
83	16.974	2525	2531	2536	rBV	124304	265570	3.77%	0.337%
84	17.421	2602	2607	2619	rVB2	86737	200750	2.85%	0.255%

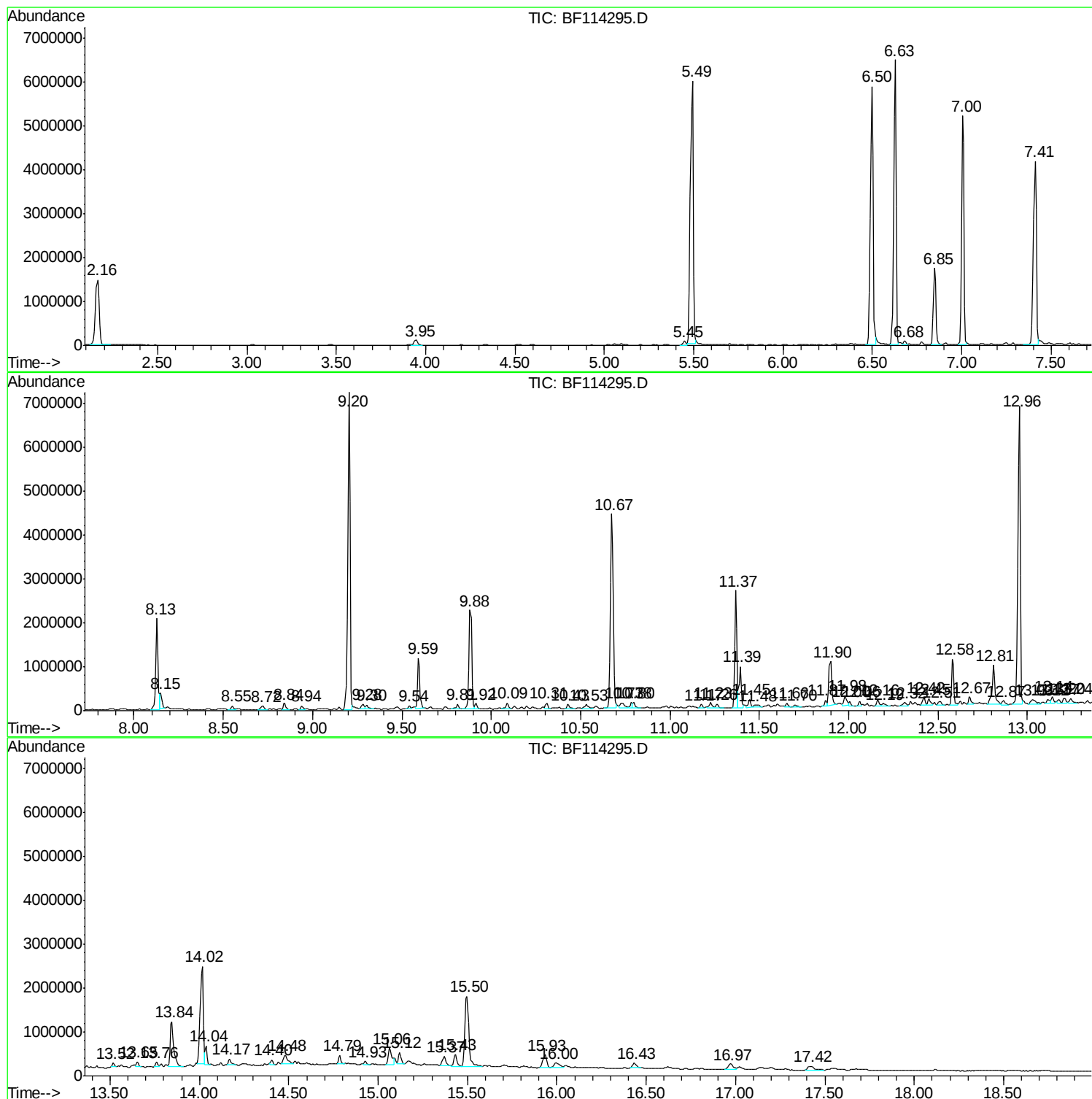
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



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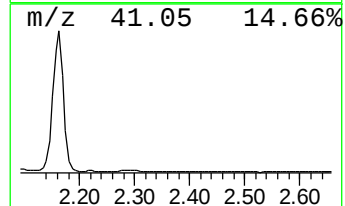
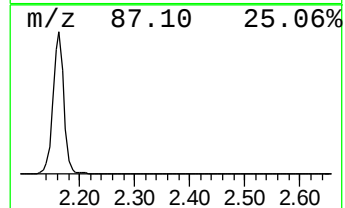
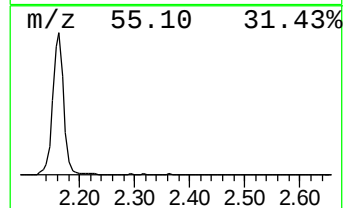
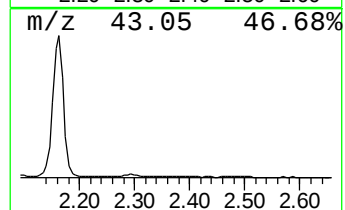
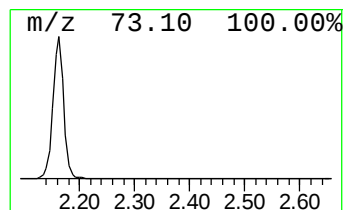
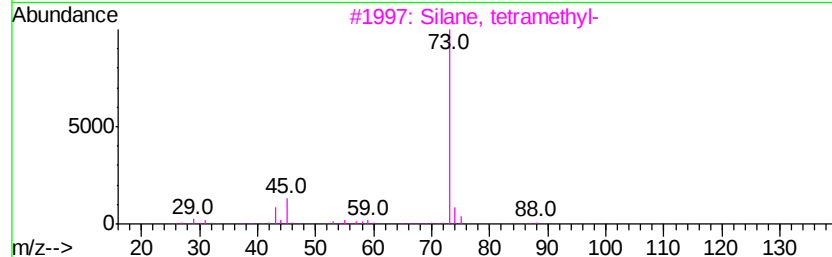
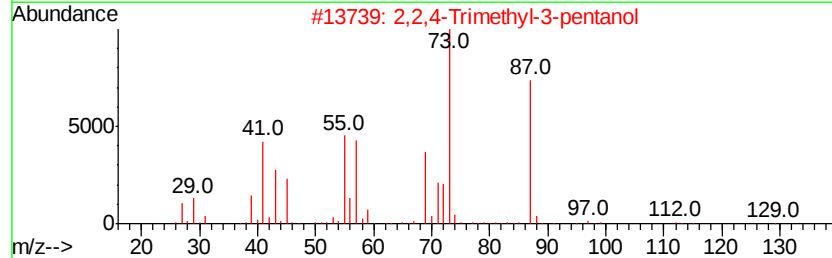
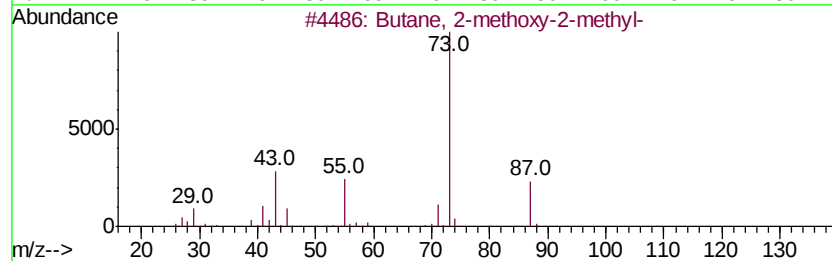
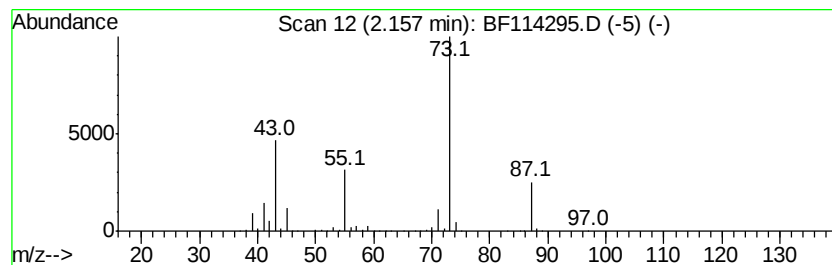
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF051019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 1 Butane, 2-methoxy-2-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.16	26.10 ng	2028350	1,4-Dichlorobenzene-d4	6.85

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	83
2		2,2,4-Trimethyl-3-pentanol	130	C8H18O	005162-48-1	39
3		Silane, tetramethyl-	88	C4H12Si	000075-76-3	38
4		1,3-Dioxolane, 2-methyl-	88	C4H8O2	000497-26-7	37
5		3-Pentanol, 2,4-dimethyl-	116	C7H16O	000600-36-2	37



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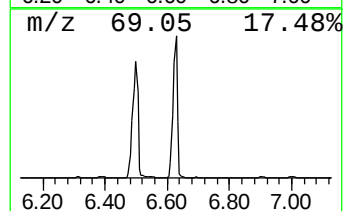
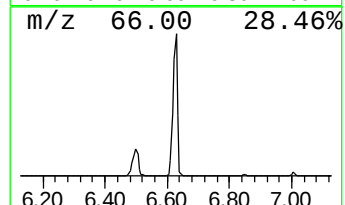
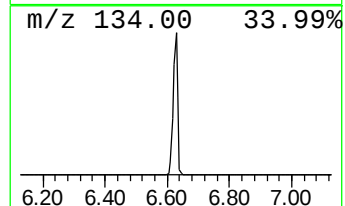
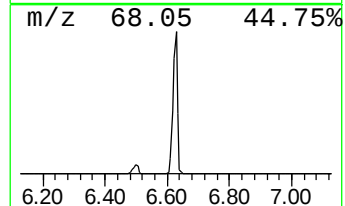
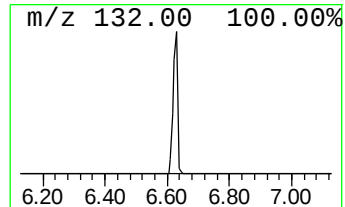
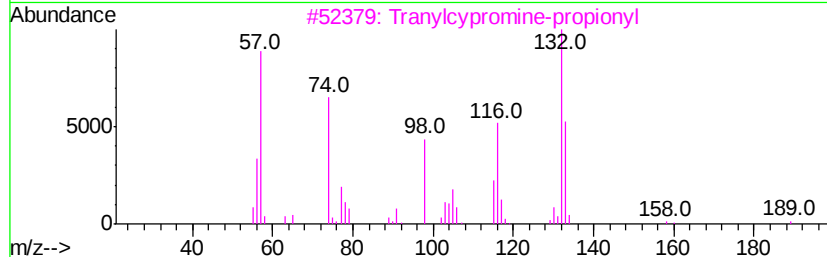
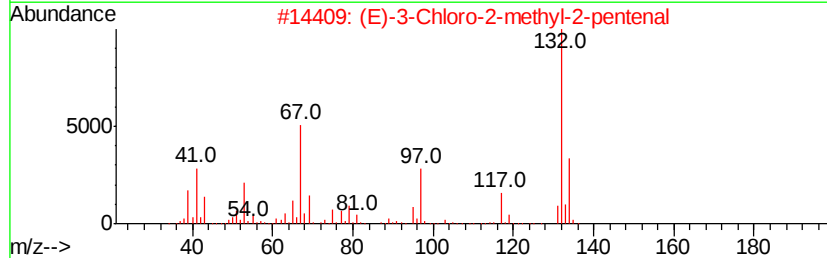
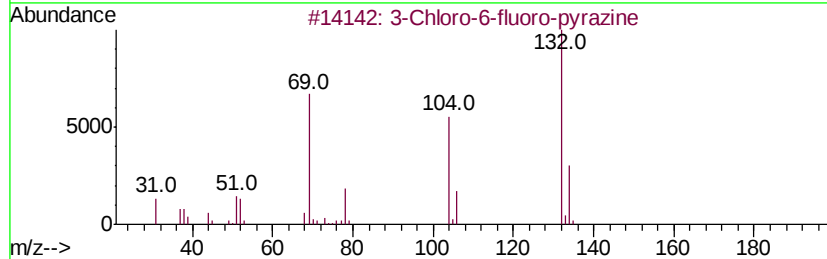
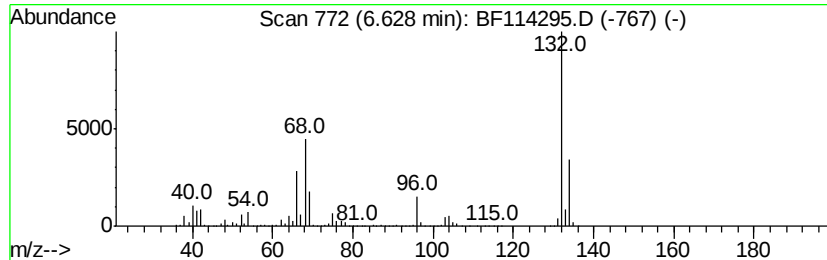
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 2 unknown6.63 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.63	84.05 ng	6532140	1,4-Dichlorobenzene-d4	6.85

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	27
2		(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	12
3		Tranvlcvpromine-propionyl	189	C12H15NO	1000123-86-3	12
4		Xenon	132	Xe	007440-63-3	9
5		4-Chloro-2-fluoro-pyrimidine	132	C4H2ClFN2	051422-00-5	9



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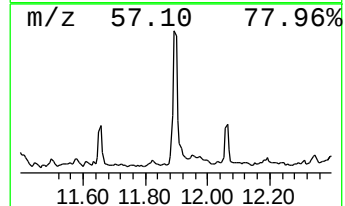
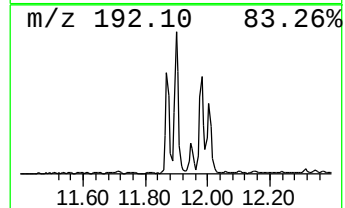
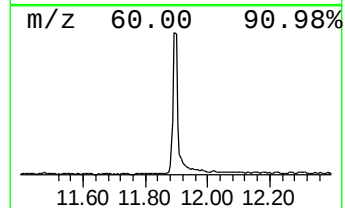
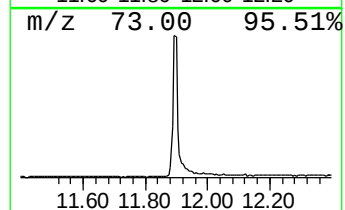
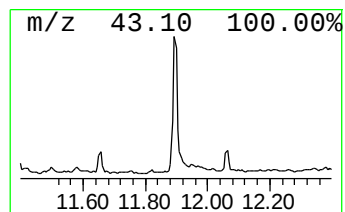
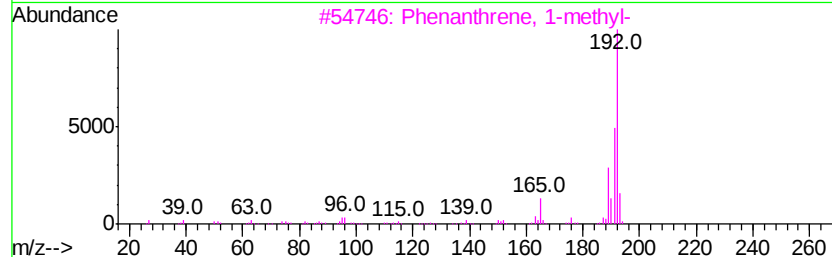
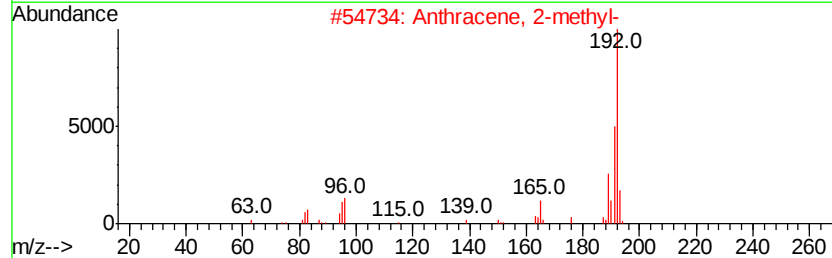
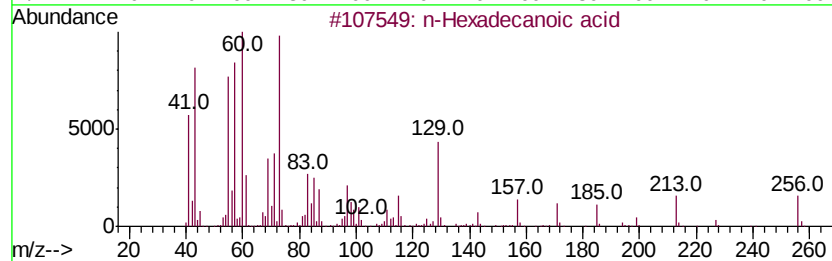
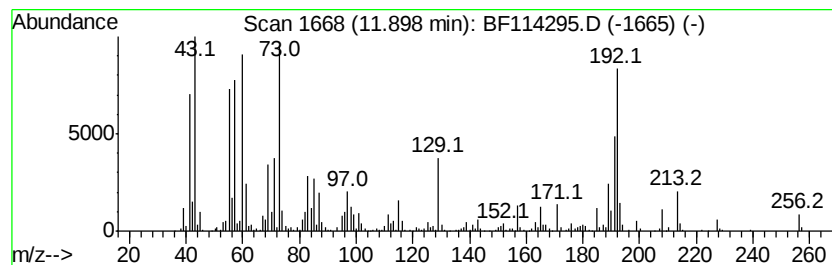
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 4 n-Hexadecanoic acid Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.90	8.54 ng	995662	Phenanthrene-d10	11.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	95
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	86
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	78
4	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	74
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	60



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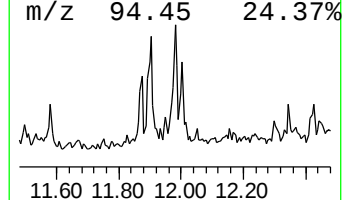
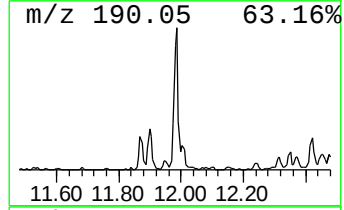
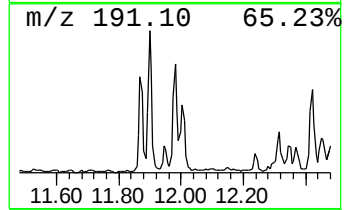
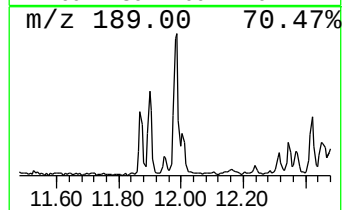
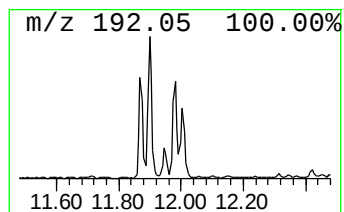
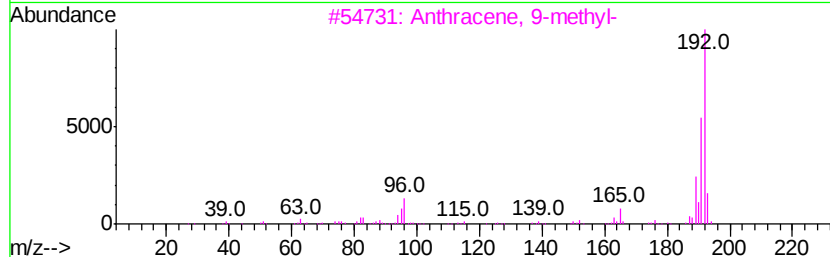
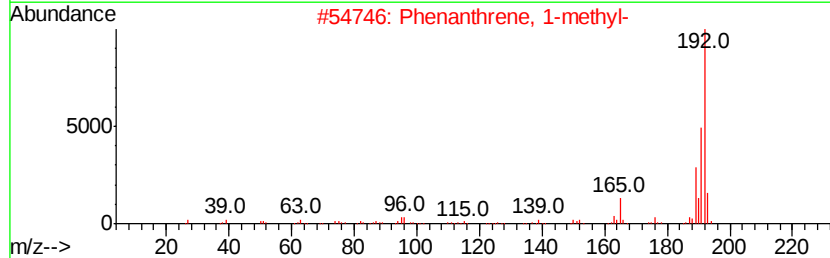
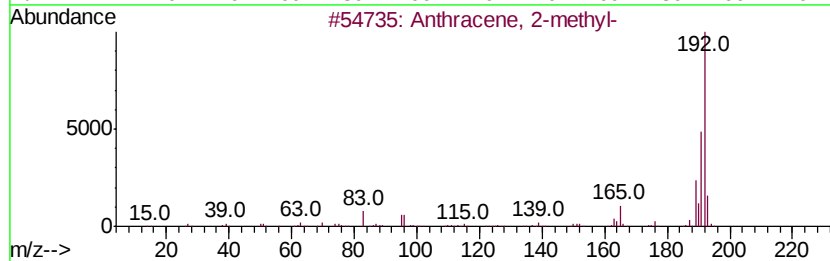
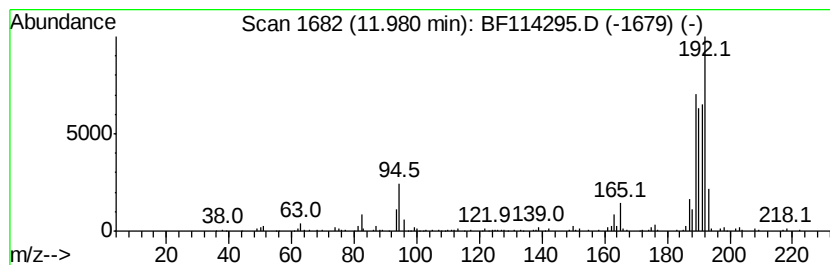
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 5 Anthracene, 2-methyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.98	2.09 ng	244036	Phenanthrene-d10	11.37

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Anthracene, 2-methyl-	192	C15H12	000613-12-7	60
2		Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	53
3		Anthracene, 9-methyl-	192	C15H12	000779-02-2	52
4		Anthracene, 1-methyl-	192	C15H12	000610-48-0	49
5		1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	49



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF051519\
Data File : BF114295.D
Acq On : 15 May 2019 20:06
Operator : JU/SJ
Sample : K2851-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SOIL-COMP

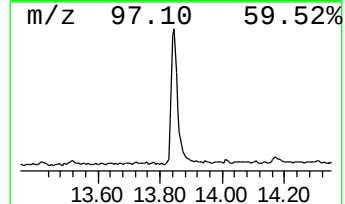
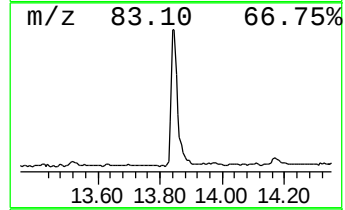
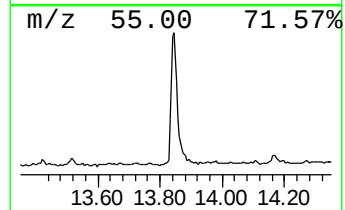
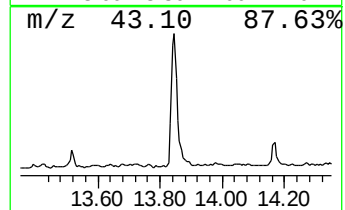
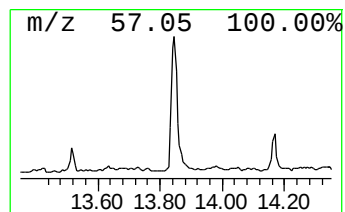
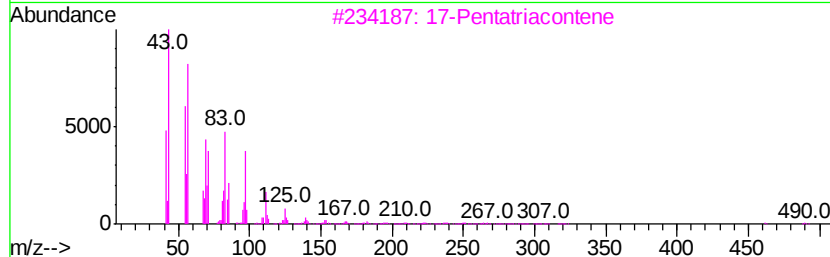
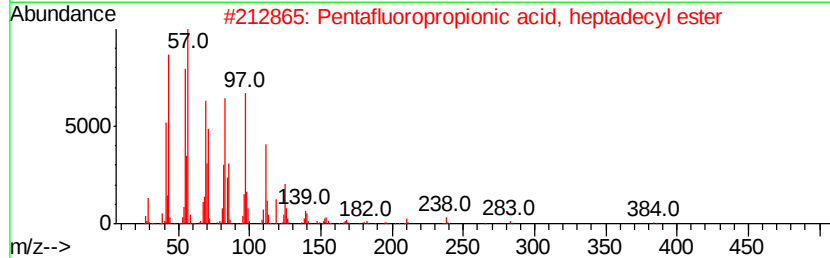
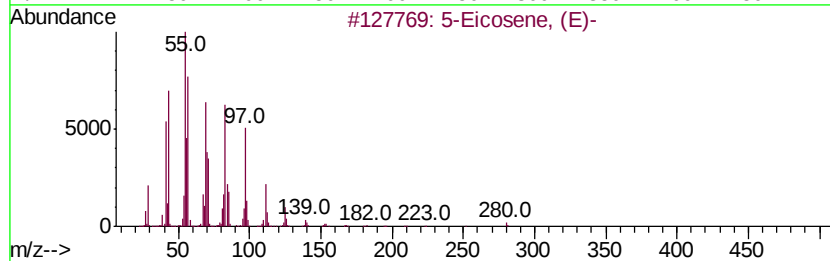
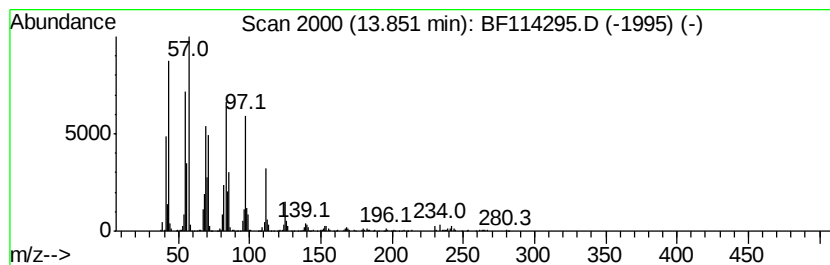
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 5-Eicosene, (E)- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.85	12.08 ng	1502710	Chrysene-d12	14.02

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	5-Eicosene, (E)-		280	C20H40	074685-30-6	95
2	Pentafluoropropionic acid, hepta...		402	C20H35F5O2	959218-78-1	94
3	17-Pentatriacontene		491	C35H70	006971-40-0	91
4	Heptadecyl trifluoroacetate		352	C19H35F3O2	1000351-87-0	91
5	Octacosanol		410	C28H58O	000557-61-9	91



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF051519\
Data File : BF114295.D
Acq On : 15 May 2019 20:06
Operator : JU/SJ
Sample : K2851-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

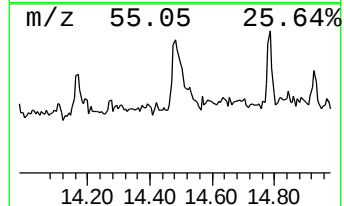
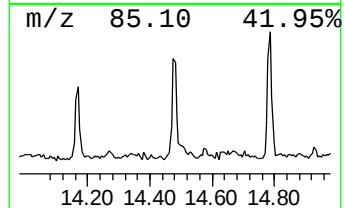
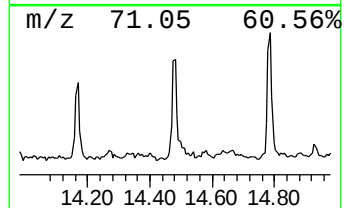
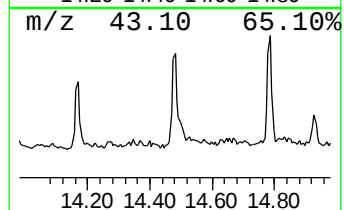
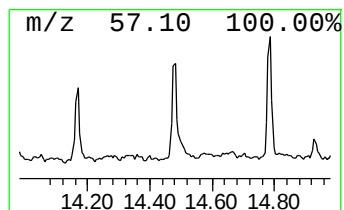
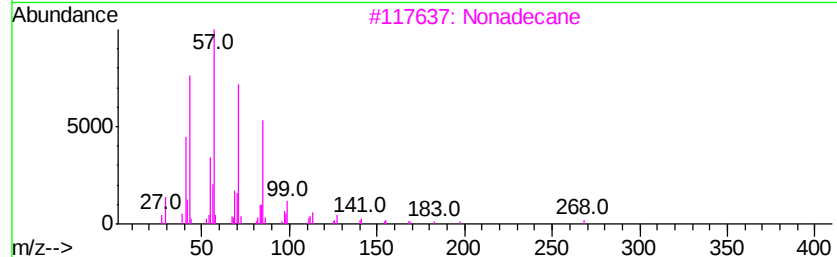
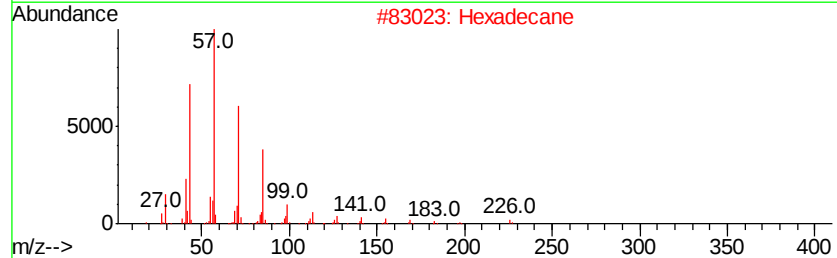
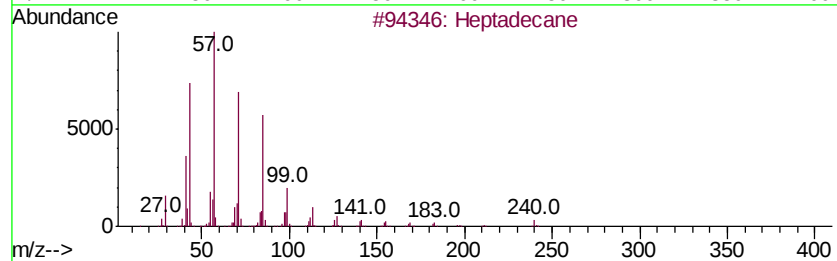
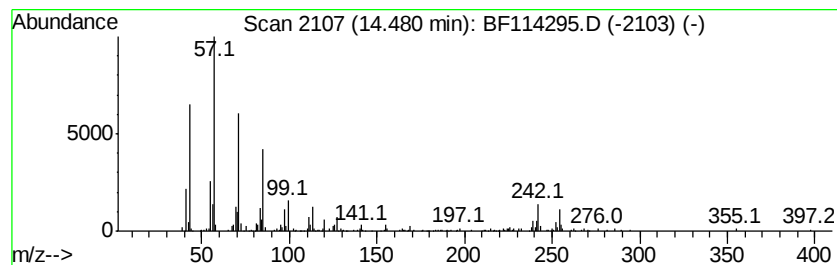
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ClientSampleId :
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF051019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 Heptadecane Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD		R.T.
14.48	2.74 ng	340980	Chrysene-d12		14.02
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptadecane	240	C17H36	000629-78-7	93
2	Hexadecane	226	C16H34	000544-76-3	86
3	Nonadecane	268	C19H40	000629-92-5	83
4	Hexacosane	366	C26H54	000630-01-3	81
5	Octadecane	254	C18H38	000593-45-3	81



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF051519\
Data File : BF114295.D
Acq On : 15 May 2019 20:06
Operator : JU/SJ
Sample : K2851-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

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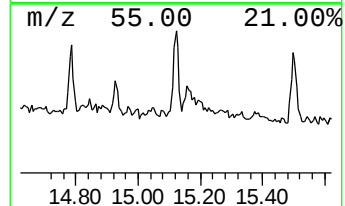
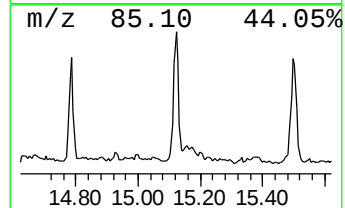
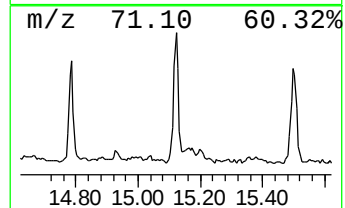
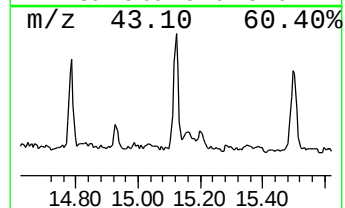
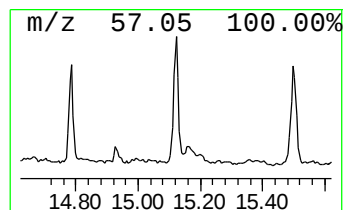
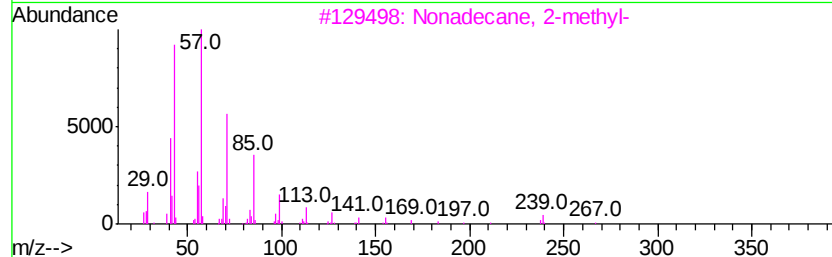
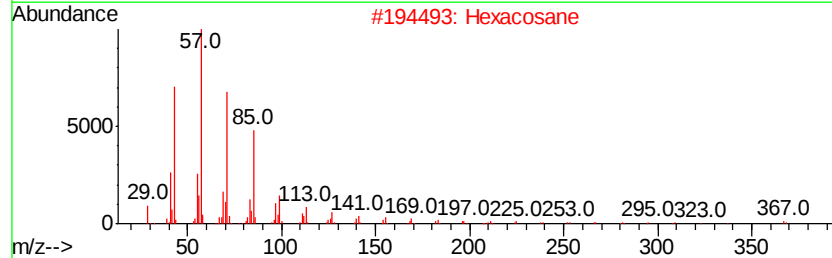
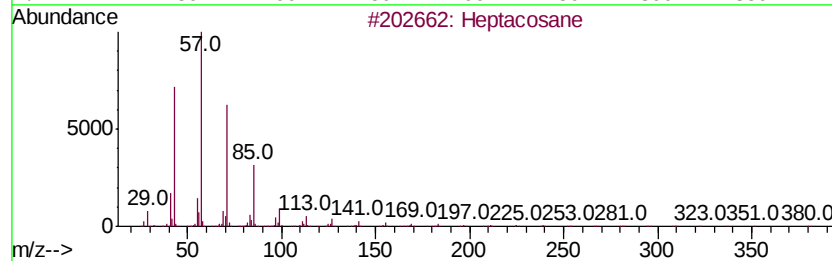
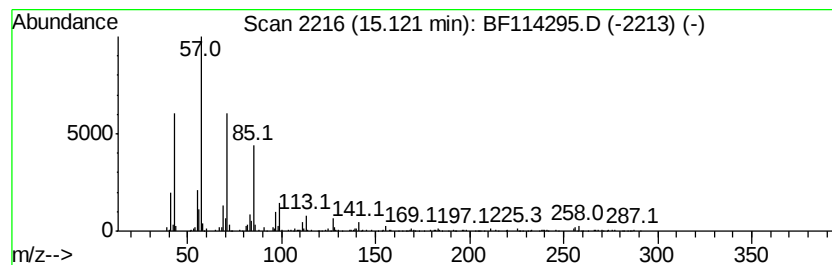
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 Heptacosane Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.12	2.23 ng	261679	Perylene-d12	15.50

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Heptacosane	380	C27H56	000593-49-7	91
2		Hexacosane	366	C26H54	000630-01-3	91
3		Nonadecane, 2-methyl-	282	C20H42	001560-86-7	90
4		Heneicosane	296	C21H44	000629-94-7	90
5		Tetradecane, 4-ethyl-	226	C16H34	055045-14-2	87



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF051519\
Data File : BF114295.D
Acq On : 15 May 2019 20:06
Operator : JU/SJ
Sample : K2851-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

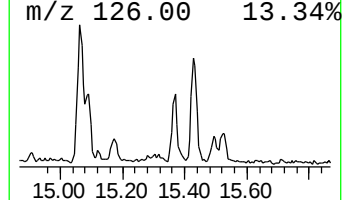
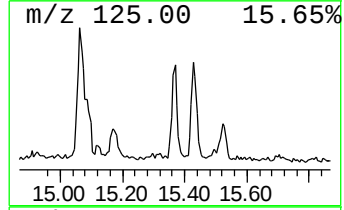
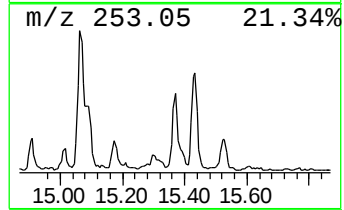
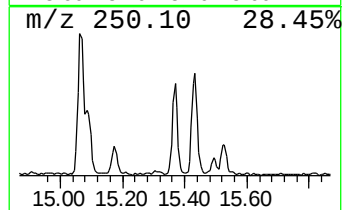
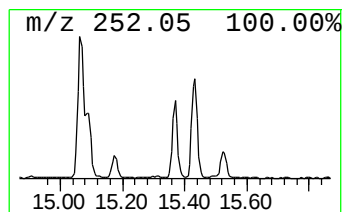
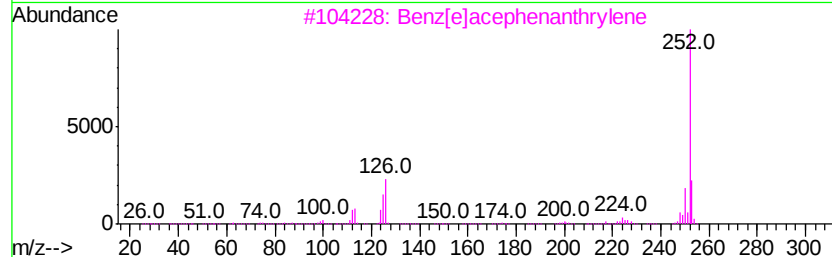
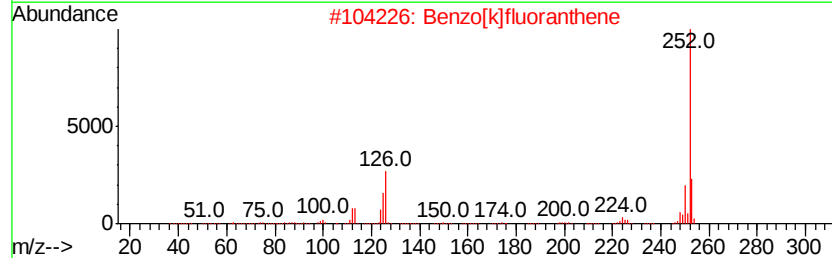
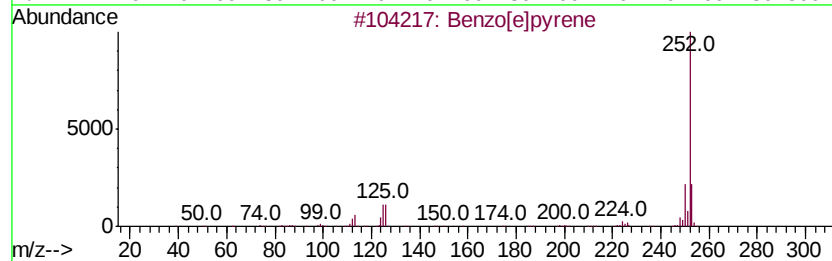
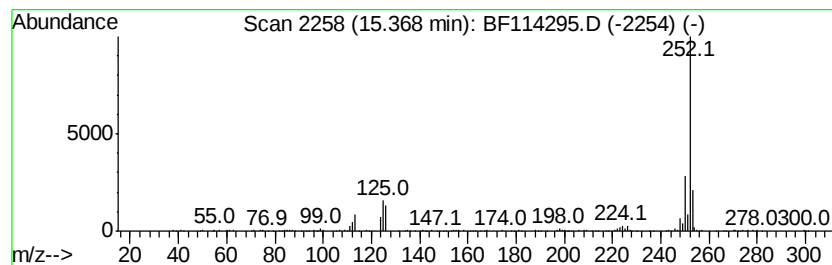
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ClientSampleId :
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF051019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 Benzo[e]pyrene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.	
15.37	2.36 ng	276249	Perylene-d12	15.50	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	97
2	Benzo[k]fluoranthene	252	C20H12	000207-08-9	93
3	Benzo[e]acephenanthrylene	252	C20H12	000205-99-2	93
4	Benzo[a]pyrene	252	C20H12	000050-32-8	91
5	Perylene	252	C20H12	000198-55-0	87



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF051519\
Data File : BF114295.D
Acq On : 15 May 2019 20:06
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Sample : K2851-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

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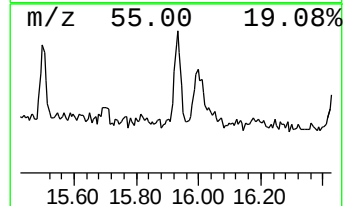
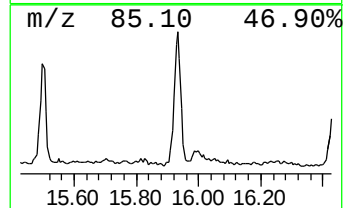
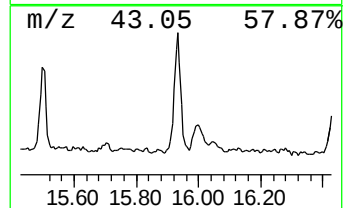
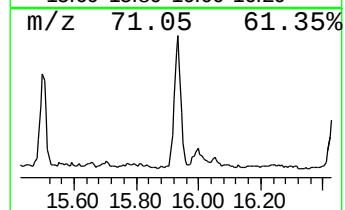
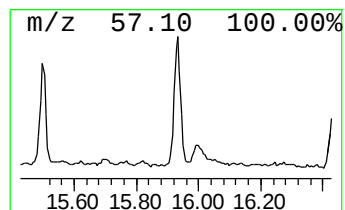
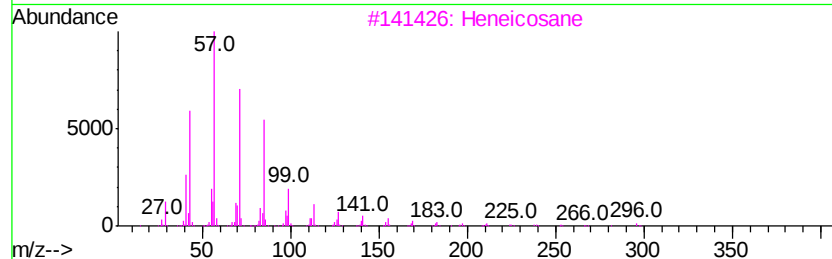
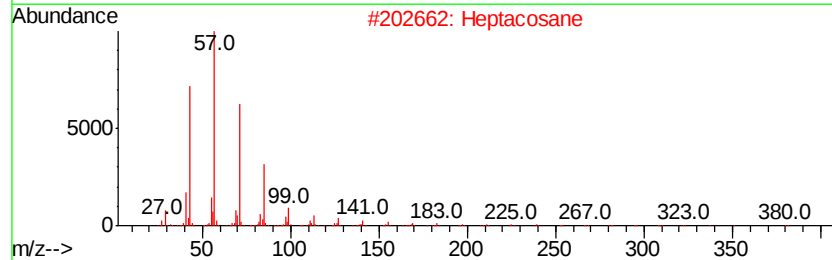
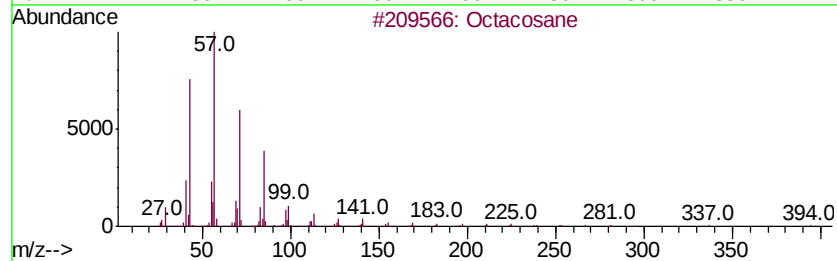
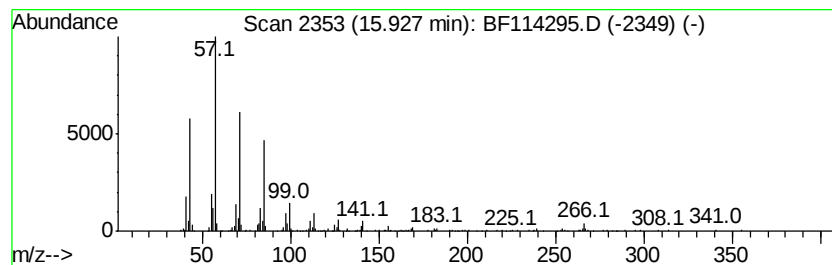
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 Octacosane Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.93	3.48 ng	408005	Perylene-d12	15.50

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Octacosane	394	C28H58	000630-02-4	90
2		Heptacosane	380	C27H56	000593-49-7	90
3		Heneicosane	296	C21H44	000629-94-7	90
4		Dodecane, 5,8-diethyl-	226	C16H34	024251-86-3	87
5		Pentacosane	352	C25H52	000629-99-2	86



Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF051519\
Data File : BF114295.D
Acq On : 15 May 2019 20:06
Operator : JU/SJ
Sample : K2851-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
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ClientSampleId :
SOIL-COMP

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF051019.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
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unknown6.63	6.63	84.0	ng	6532140	1	6.85	1554380	20.0
n-Hexadecanoic acid	11.90	8.5	ng	995662	4	11.37	2331810	20.0
Anthracene, 2-met...	11.98	2.1	ng	244036	4	11.37	2331810	20.0
5-Eicosene, (E)-	13.85	12.1	ng	1502710	5	14.02	2486930	20.0
Heptadecane	14.48	2.7	ng	340980	5	14.02	2486930	20.0
Heptacosane	15.12	2.2	ng	261679	6	15.50	2344610	20.0
Benzo[e]pyrene	15.37	2.4	ng	276249	6	15.50	2344610	20.0
Octacosane	15.93	3.5	ng	408005	6	15.50	2344610	20.0