

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF111819\
 Data File : BF117839.D
 Acq On : 18 Nov 2019 17:02
 Operator : JU
 Sample : K5833-10
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 6-(4-6)

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-BF111319.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	2.204	15	20	38	rVB	714577	1033218	20.50%	1.621%
2	4.522	409	414	420	rVB	114382	125691	2.49%	0.197%
3	5.134	510	518	527	rBV	829348	969982	19.24%	1.522%
4	5.534	581	586	589	rBV	4502321	4074473	80.82%	6.393%
5	6.540	751	757	761	rBV	4431711	4461794	88.51%	7.001%
6	6.687	777	782	785	rBV	5011520	4544327	90.14%	7.130%
7	6.922	818	822	825	rBV	1530694	1331450	26.41%	2.089%
8	7.075	844	848	852	rBV	4152586	3569661	70.81%	5.601%
9	7.481	912	917	920	rBV	3170565	2811447	55.77%	4.411%
10	8.204	1036	1040	1043	rBV	2104512	1725049	34.22%	2.707%
11	9.286	1219	1224	1227	rBV	5839589	5041271	100.00%	7.910%
12	9.622	1277	1281	1284	rBV	67509	65246	1.29%	0.102%
13	9.675	1287	1290	1295	rVB	603420	475217	9.43%	0.746%
14	9.828	1312	1316	1321	rBV	116834	98780	1.96%	0.155%
15	9.969	1336	1340	1343	rBV	2421106	1955952	38.80%	3.069%
16	9.998	1343	1345	1348	rVB	137595	111044	2.20%	0.174%
17	10.169	1369	1374	1378	rBV	124443	125805	2.50%	0.197%
18	10.516	1430	1433	1438	rVB	158031	140448	2.79%	0.220%
19	10.675	1457	1460	1463	rVB	77701	63451	1.26%	0.100%
20	10.757	1470	1474	1481	rBV	4046692	3553167	70.48%	5.575%
21	10.886	1491	1496	1499	rVB4	53507	66063	1.31%	0.104%
22	11.069	1522	1527	1529	rBV3	45876	56206	1.11%	0.088%
23	11.263	1557	1560	1564	rVB	112248	106778	2.12%	0.168%
24	11.357	1574	1576	1581	rVB	111848	98645	1.96%	0.155%
25	11.457	1590	1593	1596	rBV	2126394	2190110	43.44%	3.436%
26	11.480	1596	1597	1601	rVV	1731061	1387701	27.53%	2.177%
27	11.533	1601	1606	1609	rVB	362994	360485	7.15%	0.566%
28	11.686	1627	1632	1634	rBV2	140775	140503	2.79%	0.220%
29	11.963	1673	1679	1680	rBV	264334	241941	4.80%	0.380%
30	11.986	1680	1683	1687	rVV2	827411	948860	18.82%	1.489%
31	12.039	1689	1692	1694	rVV	109665	112711	2.24%	0.177%
32	12.074	1694	1698	1700	rVV2	323898	357656	7.09%	0.561%
33	12.098	1700	1702	1706	rVB	179653	146160	2.90%	0.229%
34	12.157	1706	1712	1716	rBV4	73128	114683	2.27%	0.180%

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Integration Parameters: rteint.p
 Integrator: RTE
 Smoothing : ON
 Sampling : 1
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 Stop Thrs : 0

Filtering: 5
 Min Area: 3 % of largest Peak
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If leading or trailing edge < 100 prefer < Baseline drop else tangent >
 Peak separation: 5

Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF111319.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	12.257	1727	1729	1731	rBV	167902	139846	2.77%	0.219%
36	12.280	1731	1733	1736	rVB	184348	146596	2.91%	0.230%
37	12.510	1769	1772	1775	rBV	147792	156943	3.11%	0.246%
38	12.551	1775	1779	1781	rVV	123477	130638	2.59%	0.205%
39	12.598	1784	1787	1792	rVB	130992	141931	2.82%	0.223%
40	12.674	1796	1800	1805	rBV	2070208	1883528	37.36%	2.955%
41	12.769	1813	1816	1819	rBV	383775	339535	6.74%	0.533%
42	12.904	1833	1839	1845	rBV	1680340	1853615	36.77%	2.908%
43	12.957	1845	1848	1853	rVB2	86776	117387	2.33%	0.184%
44	13.021	1856	1859	1860	rBV	88477	75642	1.50%	0.119%
45	13.051	1860	1864	1867	rBV	5020016	4444749	88.17%	6.974%
46	13.121	1872	1876	1880	rBV4	116801	188325	3.74%	0.295%
47	13.210	1888	1891	1893	rBV3	103443	122763	2.44%	0.193%
48	13.233	1893	1895	1898	rVB	190720	155875	3.09%	0.245%
49	13.280	1898	1903	1904	rBV3	44494	67201	1.33%	0.105%
50	13.298	1904	1906	1909	rVB	76729	65199	1.29%	0.102%
51	13.339	1909	1913	1916	rBV2	180351	190886	3.79%	0.300%
52	13.410	1920	1925	1927	rBV3	64744	111278	2.21%	0.175%
53	13.433	1927	1929	1931	rVV	100086	79291	1.57%	0.124%
54	13.463	1931	1934	1937	rVB	103649	90651	1.80%	0.142%
55	13.539	1943	1947	1952	rVB6	36057	71244	1.41%	0.112%
56	13.621	1957	1961	1962	rBV4	52838	65590	1.30%	0.103%
57	13.739	1978	1981	1986	rVB	176138	167824	3.33%	0.263%
58	13.857	1996	2001	2003	rBV2	122983	180844	3.59%	0.284%
59	13.886	2003	2006	2007	rVV	135455	130209	2.58%	0.204%
60	13.904	2007	2009	2014	rVV3	156152	221302	4.39%	0.347%
61	13.951	2014	2017	2028	rVB2	411809	637599	12.65%	1.000%
62	14.104	2035	2043	2046	rBV2	1774831	2369562	47.00%	3.718%
63	14.133	2046	2048	2054	rVB	707360	619837	12.30%	0.973%
64	14.216	2059	2062	2064	rBV	82156	74604	1.48%	0.117%
65	14.327	2078	2081	2084	rBV2	52655	68824	1.37%	0.108%
66	14.492	2105	2109	2112	rBV	162670	152213	3.02%	0.239%
67	14.527	2112	2115	2119	rVB2	106436	100728	2.00%	0.158%
68	14.574	2121	2123	2128	rVB3	77863	106807	2.12%	0.168%
69	14.804	2159	2162	2165	rBV3	48898	59988	1.19%	0.094%
70	14.892	2174	2177	2181	rBV2	94956	110026	2.18%	0.173%
71	14.980	2189	2192	2194	rBV2	68509	80773	1.60%	0.127%

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Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

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72	15.168	2219	2224	2227	rBV	623124	977978	19.40%	1.534%
73	15.251	2235	2238	2240	rBV	89205	86425	1.71%	0.136%
74	15.280	2240	2243	2247	rVB	107502	102384	2.03%	0.161%
75	15.486	2273	2278	2284	rVB	365469	524811	10.41%	0.823%
76	15.551	2284	2289	2295	rVB	515686	656636	13.03%	1.030%
77	15.615	2295	2300	2303	rBV	1313733	1628804	32.31%	2.556%
78	15.645	2303	2305	2312	rVB3	224168	303734	6.02%	0.477%
79	16.115	2381	2385	2391	rVB3	63414	94346	1.87%	0.148%
80	17.139	2553	2559	2569	rVB2	269964	566823	11.24%	0.889%
81	17.598	2631	2637	2648	rVB	228980	465435	9.23%	0.730%

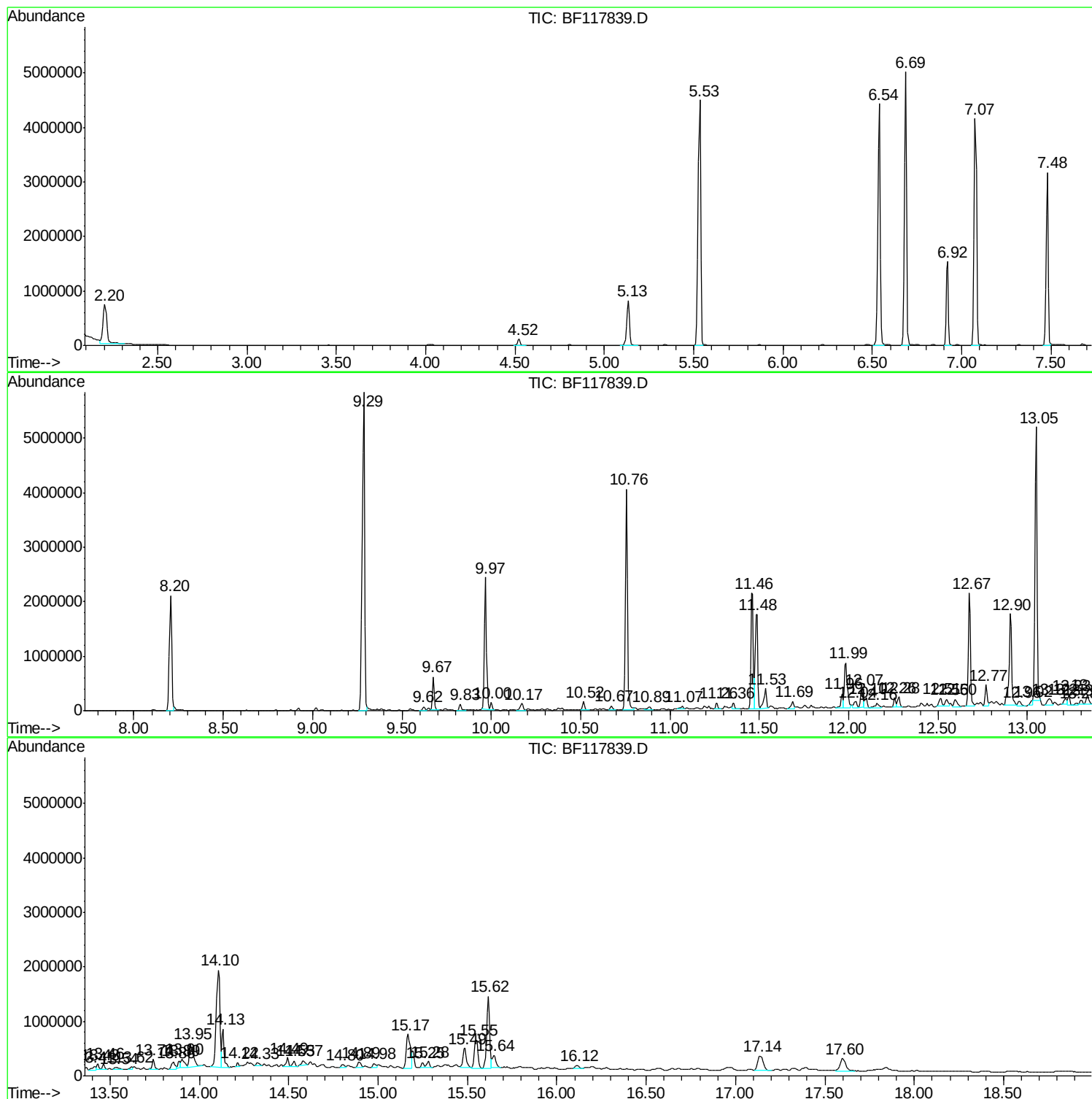
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Instrument :
BNA_F
ClientSampled :
6-(4-6)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF111319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF111819\
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Sample : K5833-10
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ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
6-(4-6)

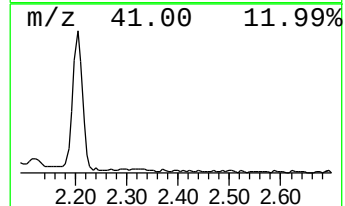
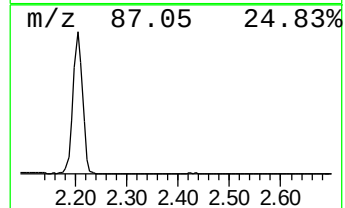
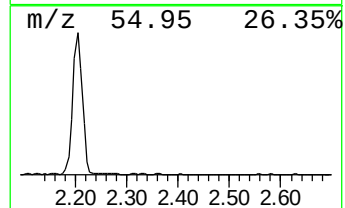
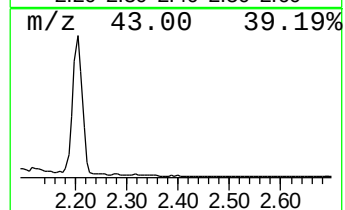
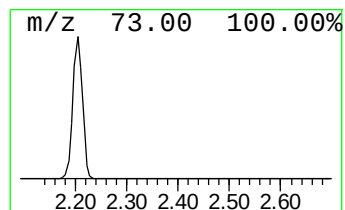
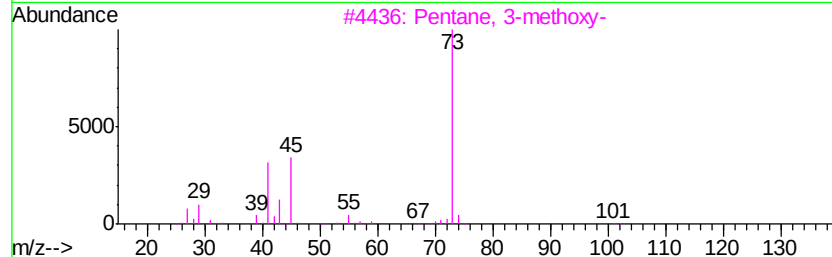
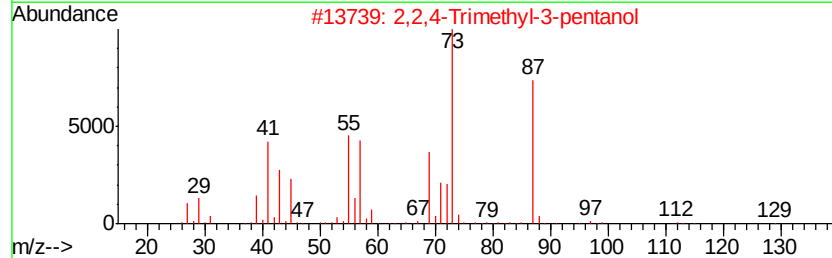
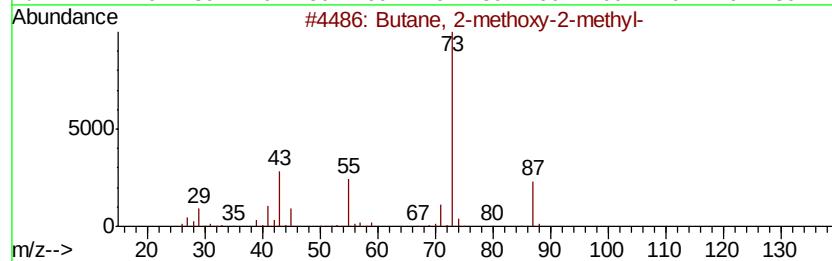
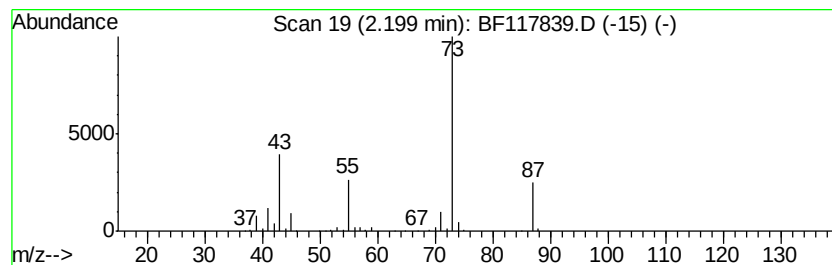
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF111319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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.
2.20	15.52 ng	1033220	1,4-Dichlorobenzene-d4	6.92

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	78
2		2,2,4-Trimethyl-3-pentanol	130	C8H18O	005162-48-1	40
3		Pentane, 3-methoxy-	102	C6H14O	036839-67-5	17
4		Silane, tetramethyl-	88	C4H12Si	000075-76-3	12
5		Borane, dimethoxy-	74	C2H7BO2	004542-61-4	9



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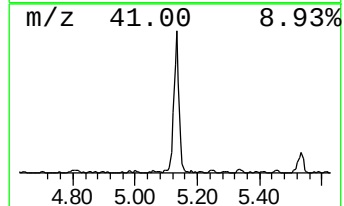
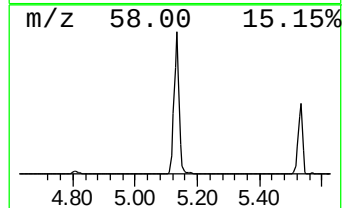
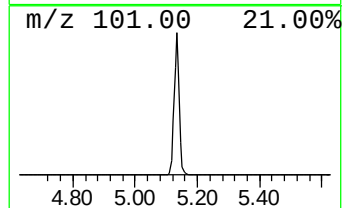
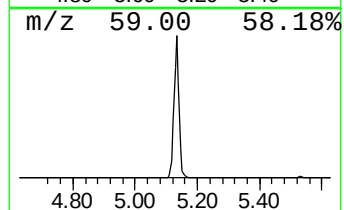
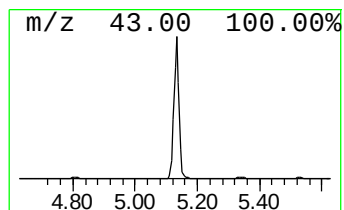
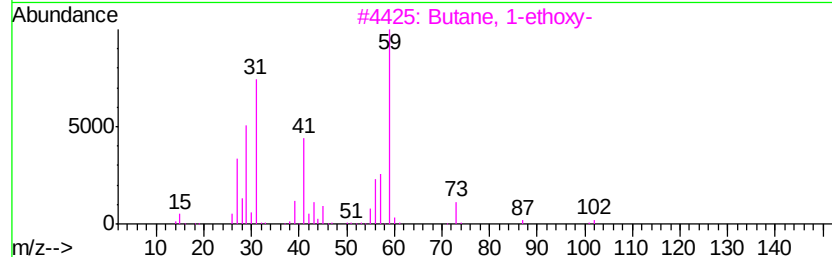
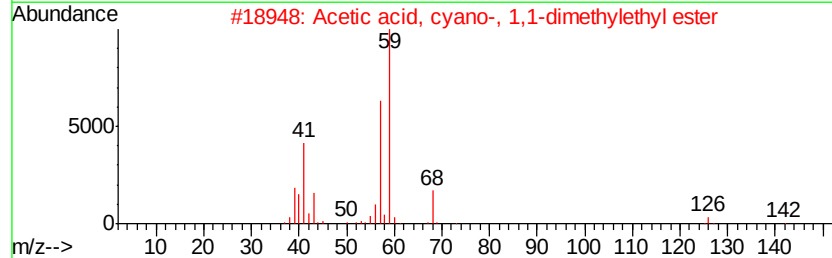
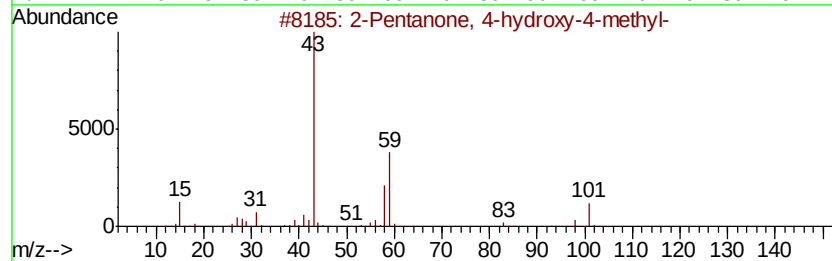
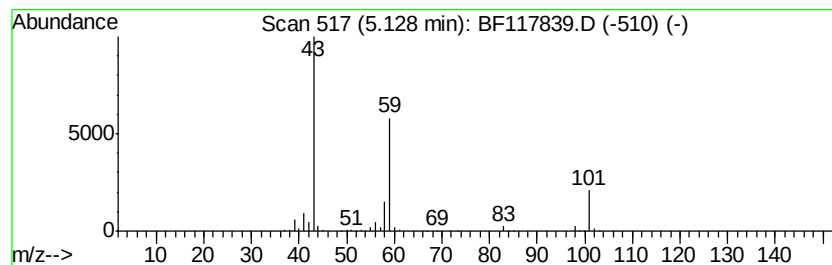
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF111319.M
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 2 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.13	14.57 ng	969982	1,4-Dichlorobenzene-d4	6.92

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	53
2		Acetic acid, cyano-, 1,1-dimethyl...	141	C7H11NO2	001116-98-9	25
3		Butane, 1-ethoxy-	102	C6H14O	000628-81-9	9
4		Morpholine, 4-methyl-	101	C5H11NO	000109-02-4	9
5		2-Hexanol, 2-methyl-	116	C7H16O	000625-23-0	9



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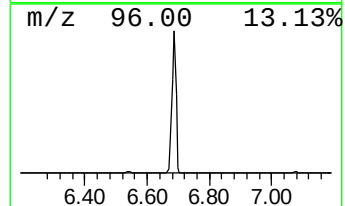
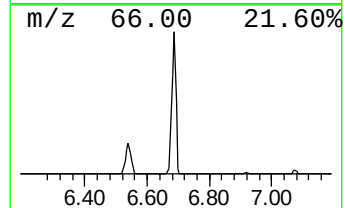
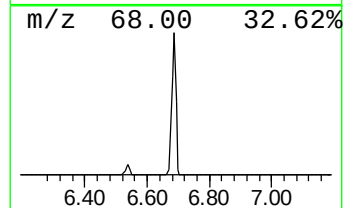
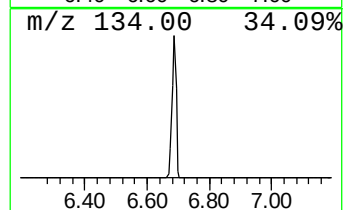
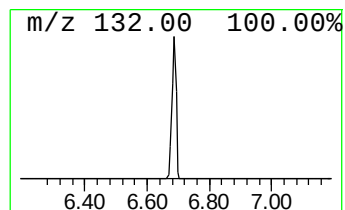
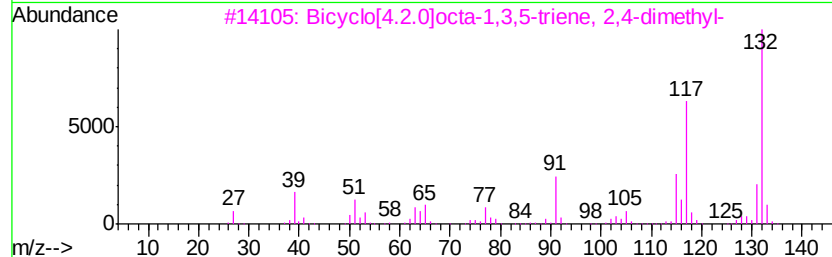
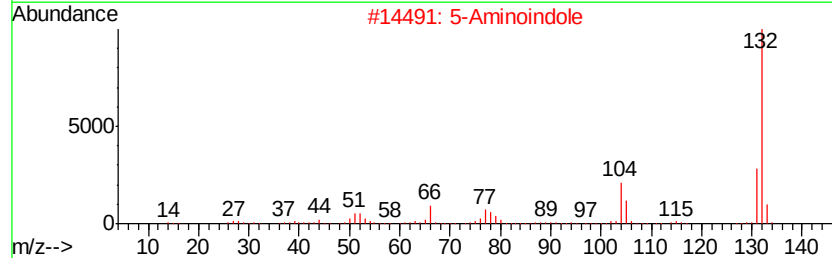
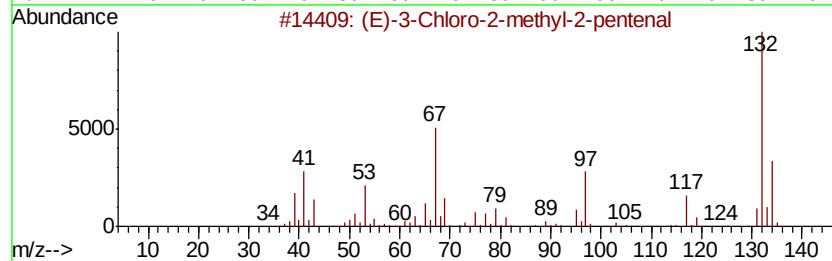
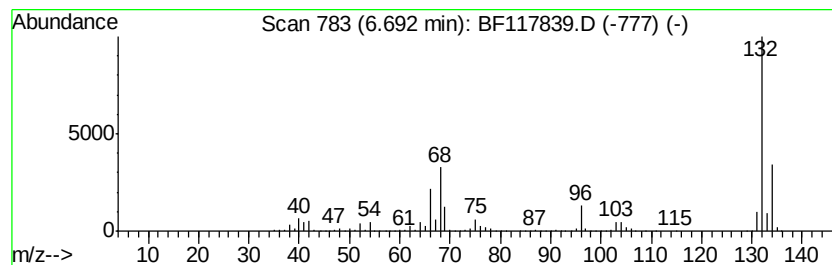
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 3 unknown6.69 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.69	68.26 ng	4544330	1,4-Dichlorobenzene-d4	6.92

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	16
2		5-Aminoindole	132	C8H8N2	005192-03-0	12
3		Bicyclo[4.2.0]octa-1,3,5-triene,...	132	C10H12	028749-81-7	9
4		Benzene, 1-ethenyl-3,5-dimethyl-	132	C10H12	005379-20-4	9
5		4-Chloro-2-fluoro-pyrimidine	132	C4H2ClFN2	051422-00-5	9



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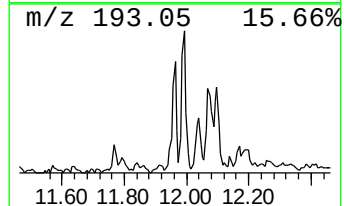
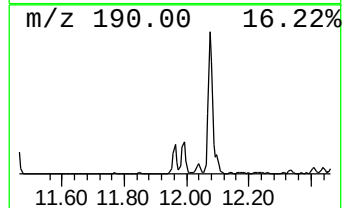
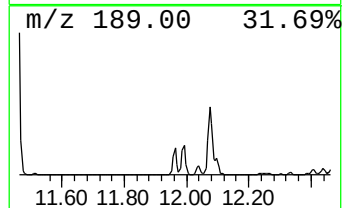
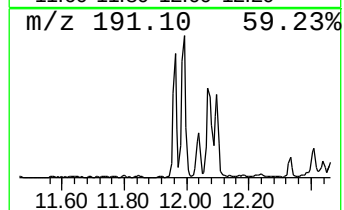
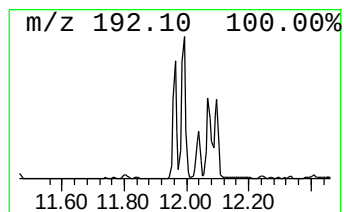
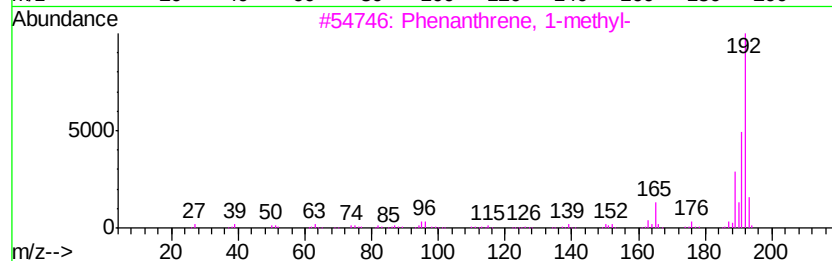
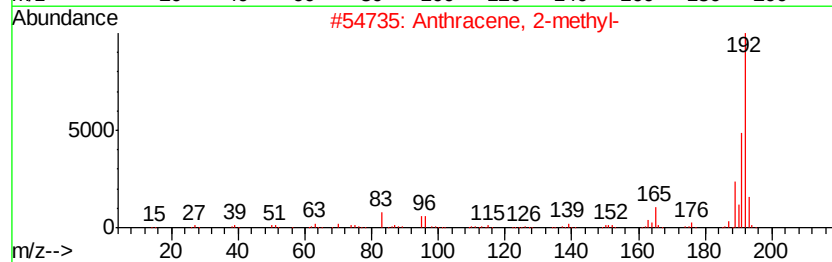
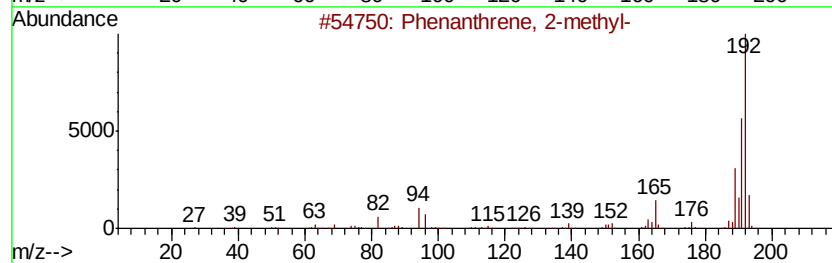
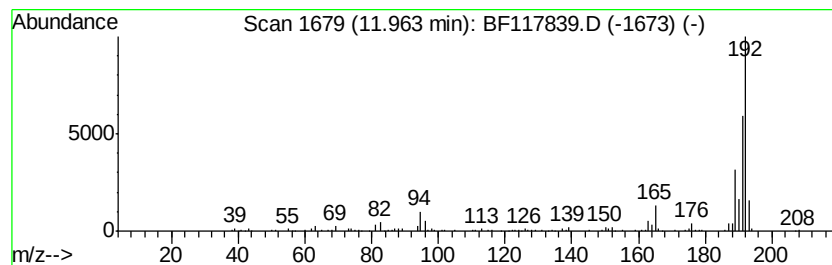
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ClientSampleId :
6-(4-6)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF111319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 5 Phenanthrene, 2-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD		R.T.	
11.96	2.21 ng	241941	Phenanthrene-d10		11.46	
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	98
2		Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
3		Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	94
4		1H-Cyclopropa[1,1]phenanthrene,1a,...	192	C15H12	000949-41-7	93
5		Anthracene, 9-methyl-	192	C15H12	000779-02-2	91



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF111819\
Data File : BF117839.D
Acq On : 18 Nov 2019 17:02
Operator : JU
Sample : K5833-10
Misc :
ALS Vial : 14 Sample Multiplier: 1

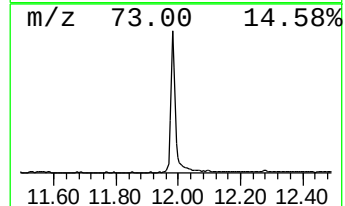
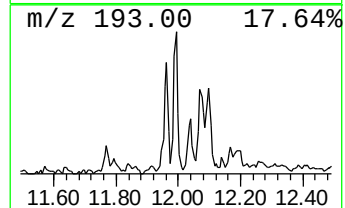
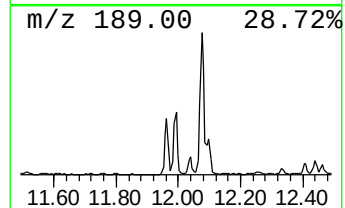
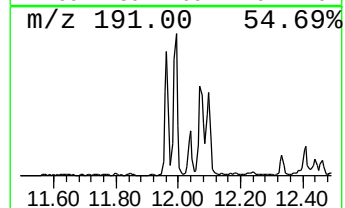
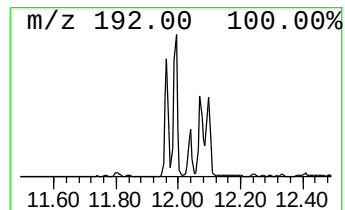
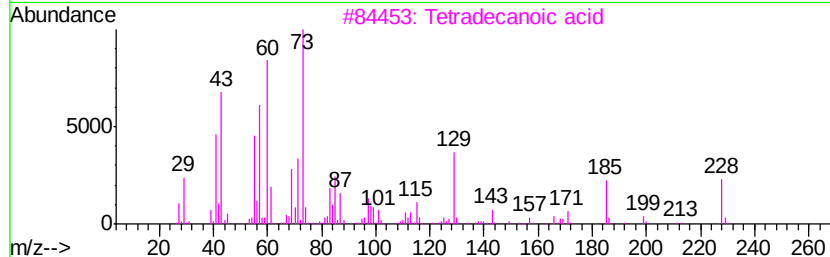
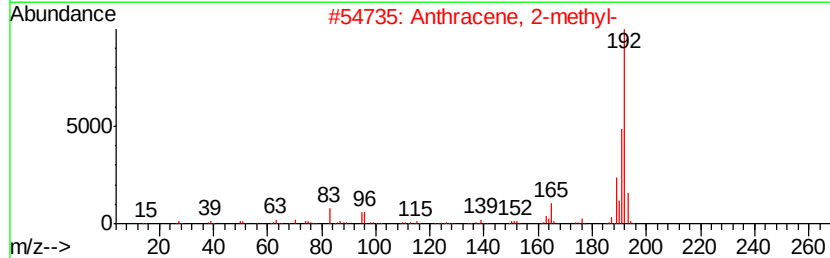
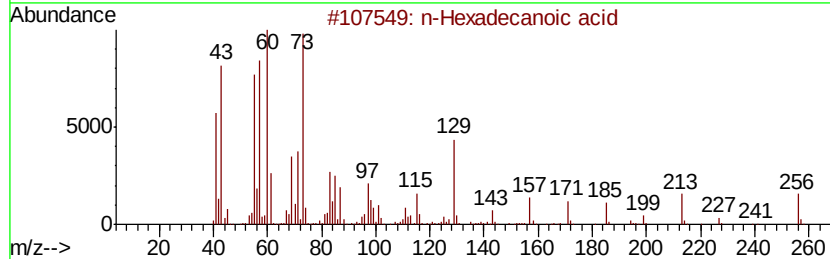
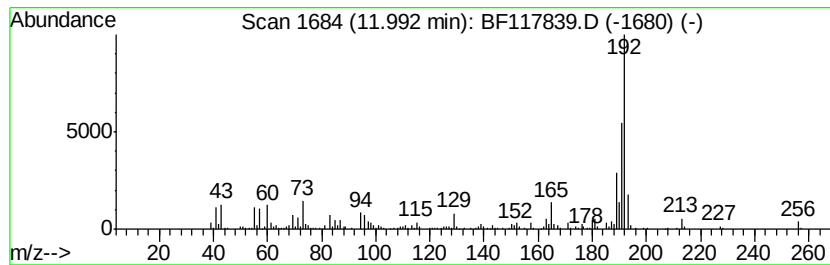
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ClientSampleId :
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF111319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 n-Hexadecanoic acid Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.	
11.99	8.66 ng	948860	Phenanthrene-d10	11.46	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	97
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	91
3	Tetradecanoic acid	228	C14H28O2	000544-63-8	89
4	Tridecanoic acid	214	C13H26O2	000638-53-9	86
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	68



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF111819\
Data File : BF117839.D
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Sample : K5833-10
Misc :
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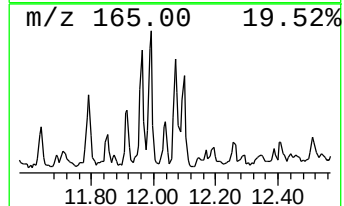
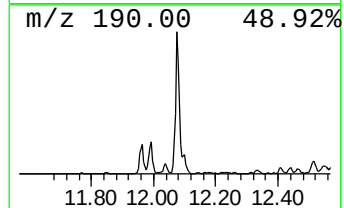
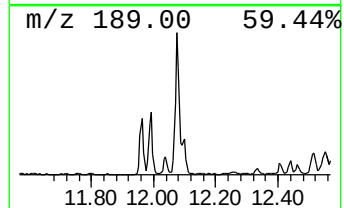
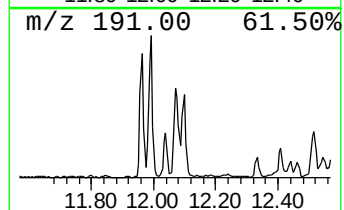
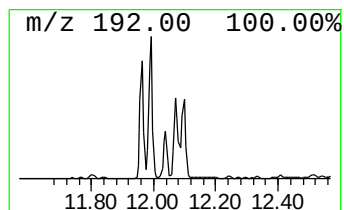
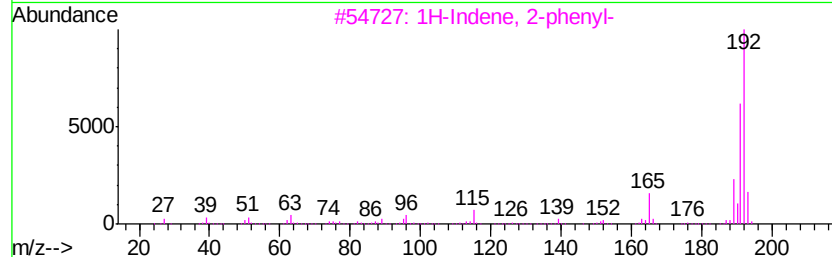
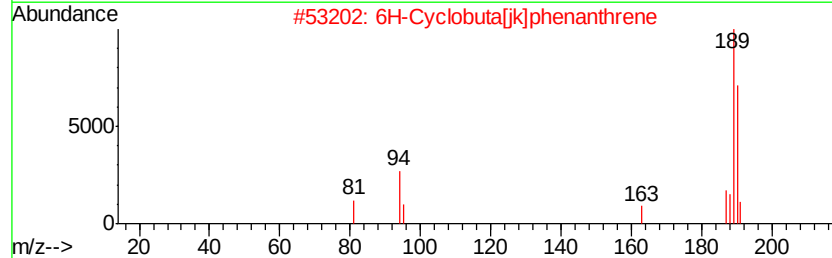
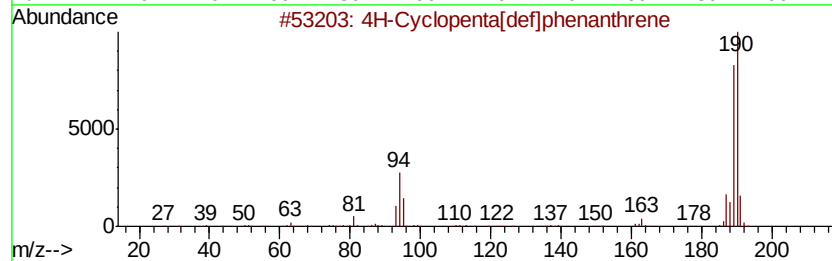
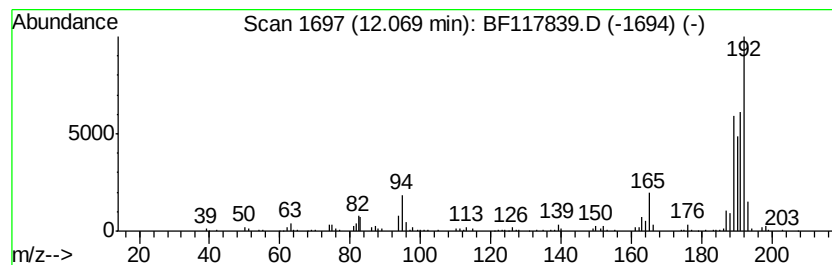
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF111319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 4H-Cyclopenta[def]phenanthrene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD		R.T.	
12.07	3.27 ng	357656	Phenanthrene-d10		11.46	
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	70
2		6H-Cyclobuta[ikl]phenanthrene	190	C15H10	083469-43-6	58
3		1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	38
4		Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	35
5		Anthracene, 2-methyl-	192	C15H12	000613-12-7	30



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF111819\
Data File : BF117839.D
Acq On : 18 Nov 2019 17:02
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Sample : K5833-10
Misc :
ALS Vial : 14 Sample Multiplier: 1

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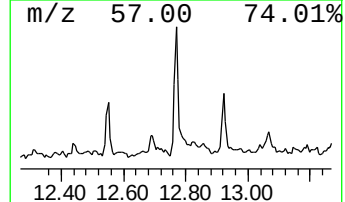
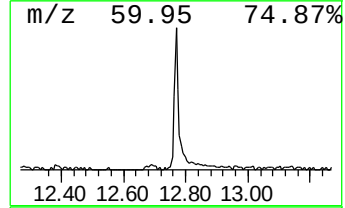
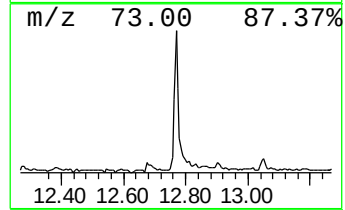
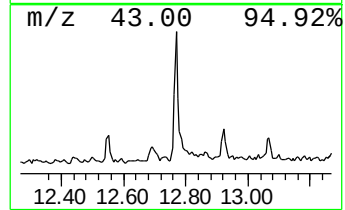
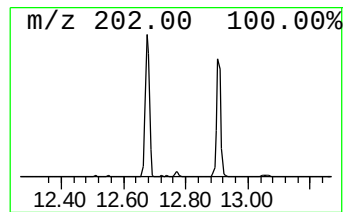
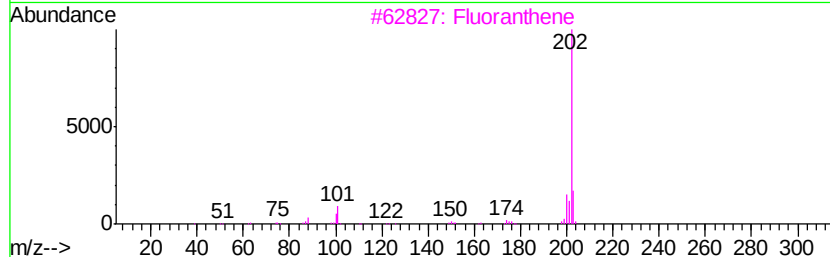
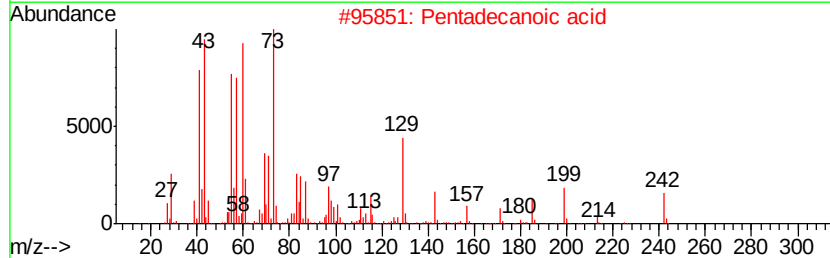
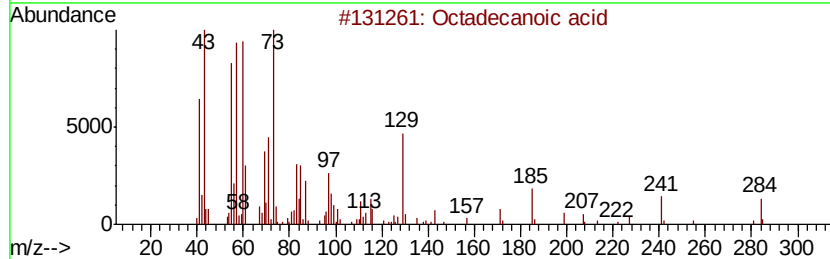
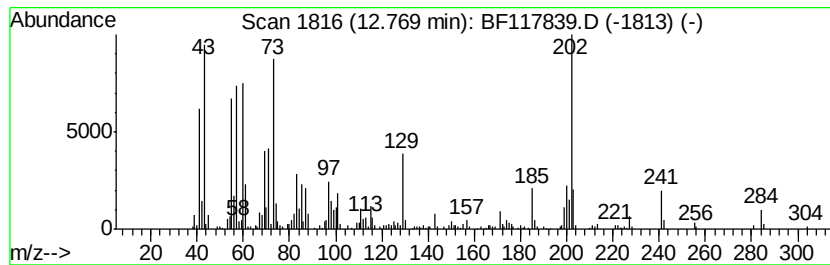
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 Octadecanoic acid Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.77	3.10 ng	339535	Phenanthrene-d10	11.46

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Octadecanoic acid	284	C18H36O2	000057-11-4	98
2		Pentadecanoic acid	242	C15H30O2	001002-84-2	83
3		Fluoranthene	202	C16H10	000206-44-0	83
4		Dodecanoic acid	200	C12H24O2	000143-07-7	64
5		n-Hexadecanoic acid	256	C16H32O2	000057-10-3	46



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF111819\
Data File : BF117839.D
Acq On : 18 Nov 2019 17:02
Operator : JU
Sample : K5833-10
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ALS Vial : 14 Sample Multiplier: 1

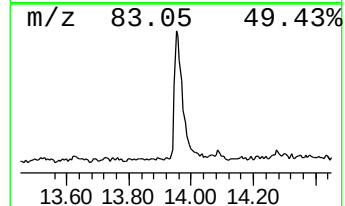
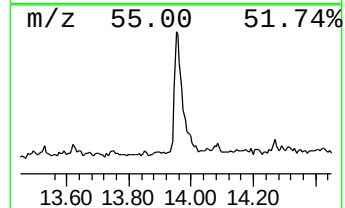
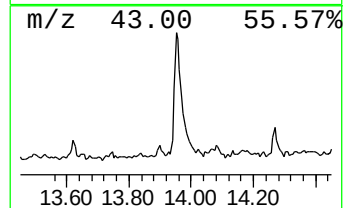
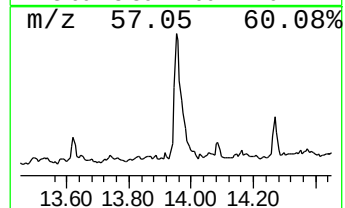
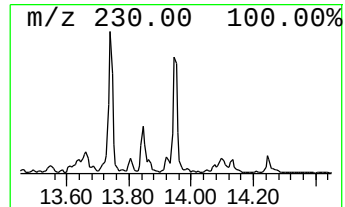
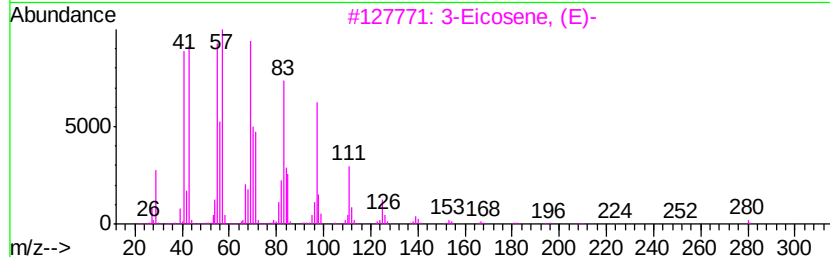
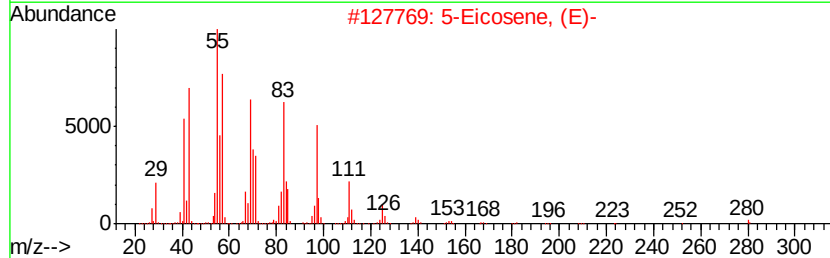
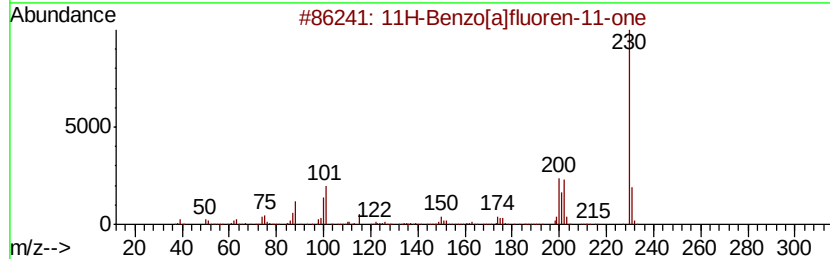
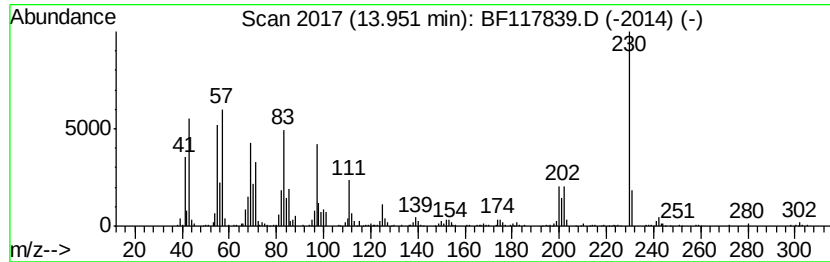
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ClientSampleId :
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF111319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 11H-Benzo[a]fluoren-11-one Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD		R.T.	
13.95	5.38 ng	637599	Chrysene-d12		14.11	
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		11H-Benzo[a]fluoren-11-one	230	C17H10O	000479-79-8	90
2		5-Eicosene, (E)-	280	C20H40	074685-30-6	89
3		3-Eicosene, (E)-	280	C20H40	074685-33-9	56
4		Heptadecyl heptafluorobutyrte	452	C21H35F7O2	959085-66-6	55
5		Trifluoroacetoxy hexadecane	338	C18H33F3O2	006222-03-3	53



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF111819\
Data File : BF117839.D
Acq On : 18 Nov 2019 17:02
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Misc :
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ClientSampleId :
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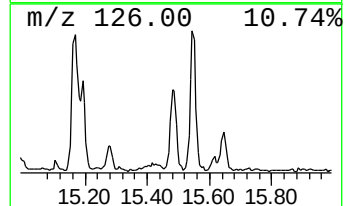
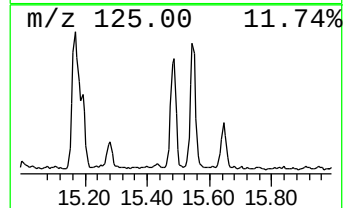
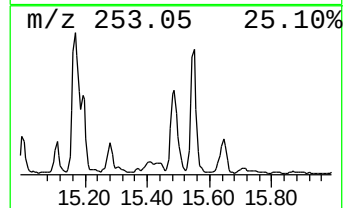
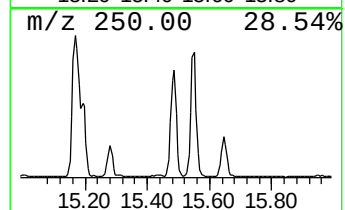
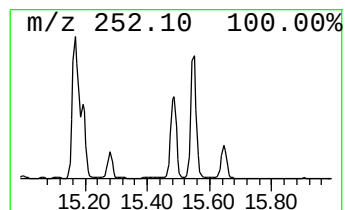
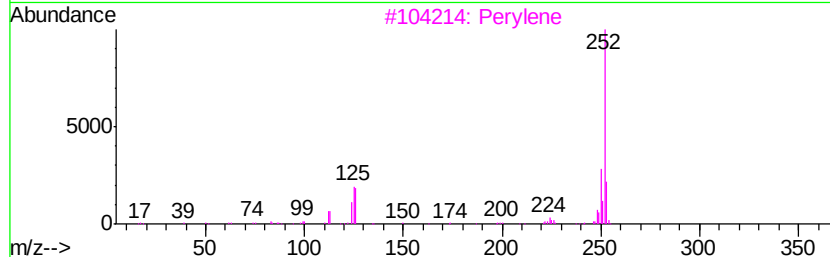
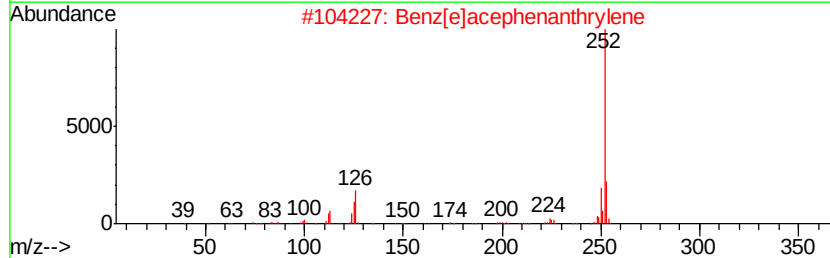
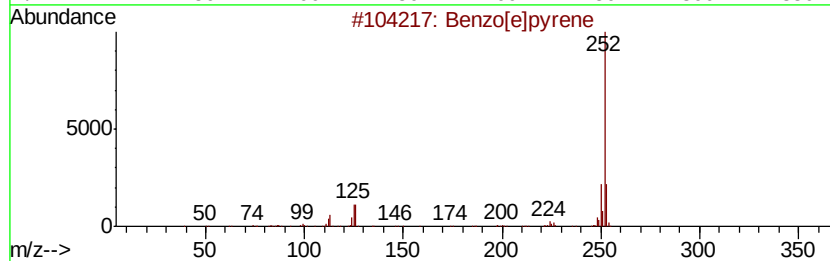
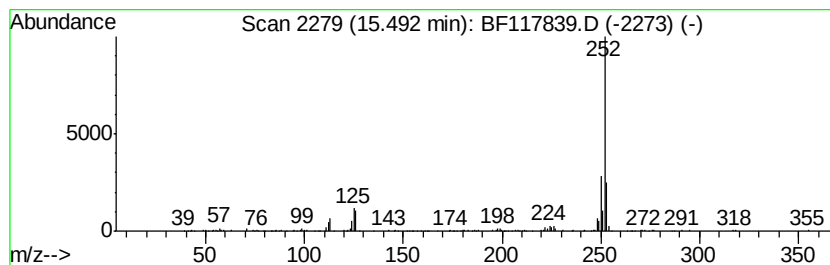
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 Benzo[e]pyrene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.49	6.44 ng	524811	Perylene-d12	15.62

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzo[e]pyrene	252	C20H12	000192-97-2	99
2		Benz[e]acephenanthrylene	252	C20H12	000205-99-2	96
3		Perylene	252	C20H12	000198-55-0	96
4		Benzo[a]pyrene	252	C20H12	000050-32-8	95
5		Benzo[j]fluoranthene	252	C20H12	000205-82-3	95



Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF111819\
Data File : BF117839.D
Acq On : 18 Nov 2019 17:02
Operator : JU
Sample : K5833-10
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF111319.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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2-Pentanone, 4-hy...	5.13	14.6	ng	969982	1	6.92	1331450	20.0
unknown6.69	6.69	68.3	ng	4544330	1	6.92	1331450	20.0
Phenanthrene, 2-m...	11.96	2.2	ng	241941	4	11.46	2190110	20.0
n-Hexadecanoic acid	11.99	8.7	ng	948860	4	11.46	2190110	20.0
4H-Cyclopenta[def...	12.07	3.3	ng	357656	4	11.46	2190110	20.0
Octadecanoic acid	12.77	3.1	ng	339535	4	11.46	2190110	20.0
11H-Benzo[a]fluor...	13.95	5.4	ng	637599	5	14.11	2369560	20.0
Benzo[e]pyrene	15.49	6.4	ng	524811	6	15.62	1628800	20.0