LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF013019\
Data File : BF112329.D
Acq On : 30 Jan 2019 18:43
Operator : JU/SJ
Sample : K1282-05 2X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-2

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

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF012519.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	5.045	500	503	510	rBV	57143	67212	2.59%	0.175%
2	5.469	572	575	592	rBV	1277248	1357243	52.31%	3.532%
3	6.481	744	747	761	rBV	1432831	1423348	54.86%	3.704%
4	6.610	766	769	776	rBV	1694121	1512474	58.30%	3.936%
5	6.839	804	808	815	rBV	892255	789508	30.43%	2.055%
6	6.992	830	834	842	rBV	1363001	1173622	45.24%	3.054%
7	7.398	899	903	916	rBV	885522	878027	33.84%	2.285%
8	8.022	1005	1009	1013	rBV	65404	55196	2.13%	0.144%
9	8.116	1020	1025	1028	rBV	977423	979851	37.77%	2.550%
10	8.139	1028	1029	1033	rVB	246090	165900	6.39%	0.432%
11	8.833	1144	1147	1154	rBV	98995	92777	3.58%	0.241%
12	8.933	1160	1164	1172	rVB	75878	78607	3.03%	0.205%
13	9.192	1204	1208	1217	rBV	1667943	1471097	56.70%	3.829%
14	9.463	1249	1254	1258	rBV	33001	43976	1.69%	0.114%
15	9.533	1262	1266	1268	rBV	65001	64293	2.48%	0.167%
16	9.586	1272	1275	1282	rVB	82197	85347	3.29%	0.222%
17	9.733	1297	1300	1307	rVB	91604	75720	2.92%	0.197%
18	9.874	1320	1324	1327	rBV	1145760	1018805	39.27%	2.652%
19	9.904	1327	1329	1333	rVB	174022	142489	5.49%	0.371%
20	10.080	1355	1359	1362	rBV2	99201	105116	4.05%	0.274%
21	10.421	1413	1417	1422	rBV	148579	145684	5.62%	0.379%
22	10.580	1440	1444	1447	rVB	51043	58952	2.27%	0.153%
23	10.663	1454	1458	1469	rVB	1070682	1014221	39.09%	2.640%
24	10.786	1473	1479	1485	rVB4	47278	69536	2.68%	0.181%
25	10.969	1504	1510	1513	rBV3	51237	73822	2.85%	0.192%
26	10.998	1513	1515	1518	rVV2	42783	41019	1.58%	0.107%
27	11.092	1527	1531	1534	rBV3	34451	56789	2.19%	0.148%
28	11.121	1534	1536	1540	rVV	45413	48921	1.89%	0.127%
29	11.168	1541	1544	1547	rVV2	73462	71421	2.75%	0.186%
30	11.216	1548	1552	1555	rVV3	63497	87515	3.37%	0.228%
31	11.257	1556	1559	1564	rVB	98185	96334	3.71%	0.251%
32	11.357	1573	1576	1578	rBV	1052709	978491	37.71%	2.547%
33	11.380	1578	1580	1584	rVV	1445902	1369743	52.79%	3.565%
34	11.433	1587	1589	1593	rVV	335214	291579	11.24%	0.759%

LSC Area Percent Report

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Sample : K1282-05 2X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-2

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

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF012519.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	11.474	1593	1596	1601	rVB2	39299	56655	2.18%	0.147%
36	11.592	1612	1616	1623	rBV2	105633	146364	5.64%	0.381%
37	11.651	1623	1626	1629	rVV2	59122	53022	2.04%	0.138%
38	11.692	1630	1633	1638	rVB3	64743	83510	3.22%	0.217%
39	11.863	1658	1662	1664	rBV	315911	293953	11.33%	0.765%
40	11.886	1664	1666	1672	rVV	383436	414687	15.98%	1.079%
41	11.939	1672	1675	1677	rVV	132167	120396	4.64%	0.313%
42	11.974	1677	1681	1683	rVV2	430231	465008	17.92%	1.210%
43	11.998	1683	1685	1689	rVB	237055	195556	7.54%	0.509%
44	12.051	1690	1694	1696	rBV4	40962	63022	2.43%	0.164%
45	12.098	1699	1702	1704	rBV2	43224	41402	1.60%	0.108%
46	12.157	1708	1712	1714	rVV	189575	180309	6.95%	0.469%
47	12.186	1714	1717	1722	rVB	134330	131407	5.06%	0.342%
48	12.304	1732	1737	1740	rBV2	105629	127890	4.93%	0.333%
49	12.339	1740	1743	1745	rVV	92719	84260	3.25%	0.219%
50	12.363	1745	1747	1749	rVB	69776	53476	2.06%	0.139%
51	12.410	1752	1755	1758	rVV	218708	239728	9.24%	0.624%
52	12.451	1758	1762	1764	rVV3	145407	205303	7.91%	0.534%
53	12.504	1767	1771	1775	rVV2	140109	185532	7.15%	0.483%
54	12.574	1779	1783	1787	rBV	2184828	1965951	75.77%	5.117%
55	12.615	1787	1790	1792	rVV2	65304	65847	2.54%	0.171%
56	12.639	1792	1794	1797	rVB	77477	61450	2.37%	0.160%
57	12.668	1797	1799	1801	rBV	51445	41164	1.59%	0.107%
58	12.727	1807	1809	1811	rVB	67401	53736	2.07%	0.140%
59	12.804	1816	1822	1828	rBV	2138301	2253907	86.87%	5.866%
60	12.851	1828	1830	1835	rVB2	115353	147349	5.68%	0.383%
61	12.939	1839	1845	1848	rBV	1518644	1365795	52.64%	3.555%
62	12.962	1848	1849	1853	rVB	112272	82536	3.18%	0.215%
63	13.021	1854	1859	1866	rBV5	174489	322709	12.44%	0.840%
64	13.110	1870	1874	1875	rBV3	141718	166446	6.42%	0.433%
65	13.127	1875	1877	1881	rVB	281395	283299	10.92%	0.737%
66	13.198	1886	1889	1891	rBV2	174386	141892	5.47%	0.369%
67	13.233	1891	1895	1902	rBV3	267030	317302	12.23%	0.826%
68	13.292	1902	1905	1908	rVB3	47270	47430	1.83%	0.123%
69	13.327	1908	1911	1914	rBV	178170	167317	6.45%	0.435%
70	13.357	1914	1916	1919	rBV	156811	147927	5.70%	0.385%
71	13.509	1939	1942	1944	rBV3	59538	68549	2.64%	0.178%

LSC Area Percent Report

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Sample : K1282-05 2X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-2

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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Peak separation: 5

Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF012519.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	13.615	1957	1960	1962	rBV2	51974	57138	2.20%	0.149%
73	13.639	1962	1964	1968	rVB	197527	200302	7.72%	0.521%
74	13.751	1978	1983	1985	rBV	240079	294913	11.37%	0.768%
75	13.774	1985	1987	1990	rVB	194270	143869	5.55%	0.374%
76	13.804	1990	1992	1993	rBV	126085	107557	4.15%	0.280%
77	13.851	1998	2000	2007	rVB	237492	255385	9.84%	0.665%
78	13.998	2017	2025	2028	rBV2	1704141	2594492	100.00%	6.752%
79	14.027	2028	2030	2033	rVB	1167972	919672	35.45%	2.394%
80	14.086	2038	2040	2042	rBV2	43159	43942	1.69%	0.114%
81	14.109	2042	2044	2046	rVB	118139	90416	3.48%	0.235%
82	14.151	2048	2051	2053	rBV2	95166	92292	3.56%	0.240%
83	14.227	2060	2064	2067	rBV2	79952	113751	4.38%	0.296%
84	14.351	2082	2085	2087	rBV2	91557	91561	3.53%	0.238%
85	14.386	2088	2091	2094	rVV	288995	279287	10.76%	0.727%
86	14.421	2094	2097	2099	rVB	129339	101899	3.93%	0.265%
87	14.457	2100	2103	2106	rVV3	112401	134586	5.19%	0.350%
88	14.515	2110	2113	2114	rBV	110746	102191	3.94%	0.266%
89	14.704	2143	2145	2147	rBV2	58954	56145	2.16%	0.146%
90	14.756	2152	2154	2156	rVV	60048	44191	1.70%	0.115%
91	14.880	2173	2175	2179	rBV2	93182	108474	4.18%	0.282%
92	15.045	2198	2203	2206	rBV	918157	1390924	53.61%	3.620%
93	15.151	2218	2221	2225	rBV	150792	159606	6.15%	0.415%
94	15.345	2250	2254	2260	rVB	535582	680417	26.23%	1.771%
95	15.409	2260	2265	2270	rBV	748675	939679	36.22%	2.446%
96	15.468	2271	2275	2279	rVV	893427	1205087	46.45%	3.136%
97	15.498	2279	2280	2290	rVB2	199404	260061	10.02%	0.677%
98	15.898	2345	2348	2353	rVB2	93437	133046	5.13%	0.346%
99	16.945	2520	2526	2535	rBV	295816	567576	21.88%	1.477%
100	17.392	2596	2602	2609	rVB	206547	427683	16.48%	1.113%

Sum of corrected areas: 38422863

LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF013019\
Data File : BF112329.D
Acq On : 30 Jan 2019 18:43
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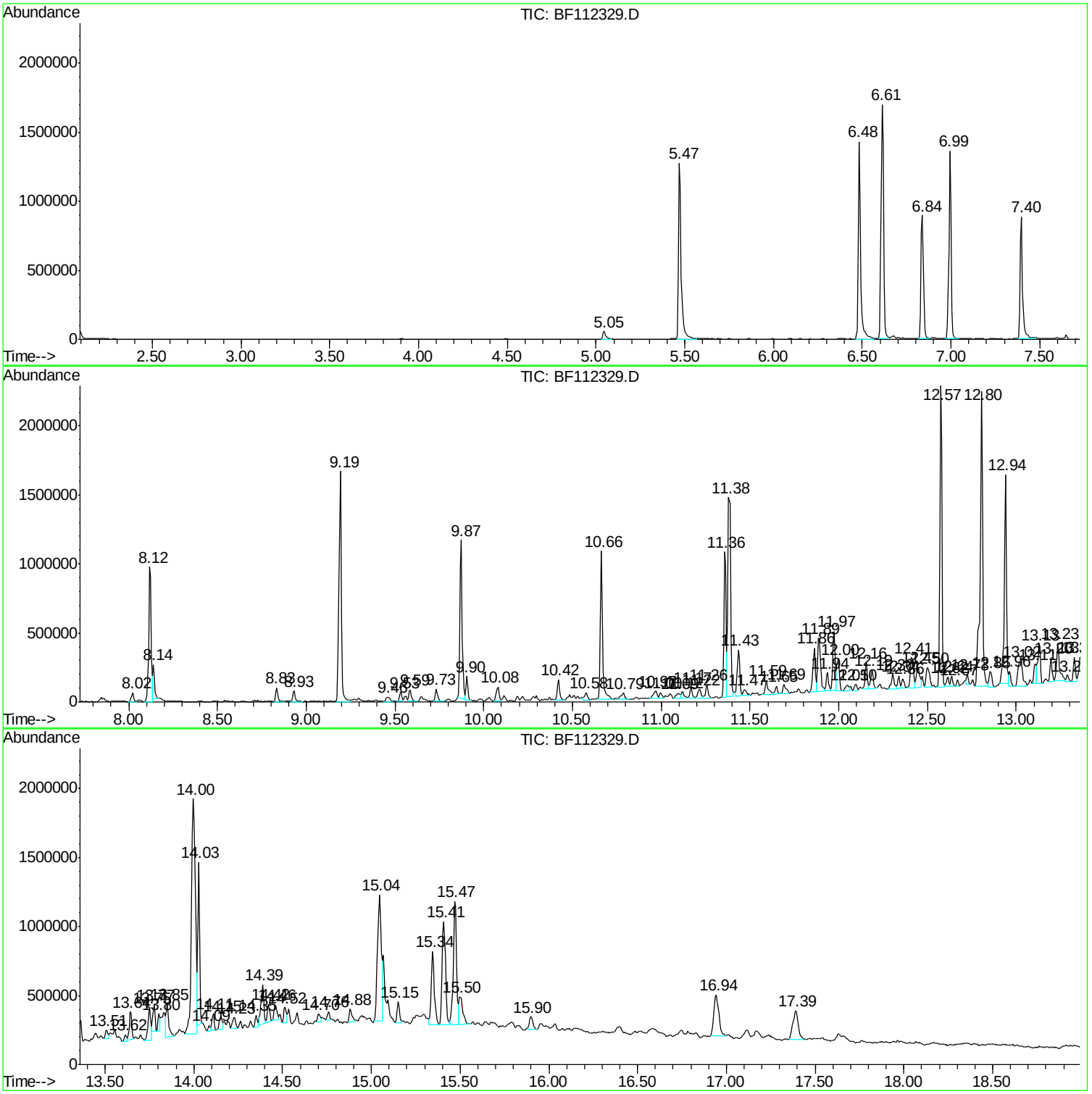
Sample : K1282-05 2X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-2

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF012519.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF013019\
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Instrument : BNA_F
ClientSampleId : TP-2

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF012519.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

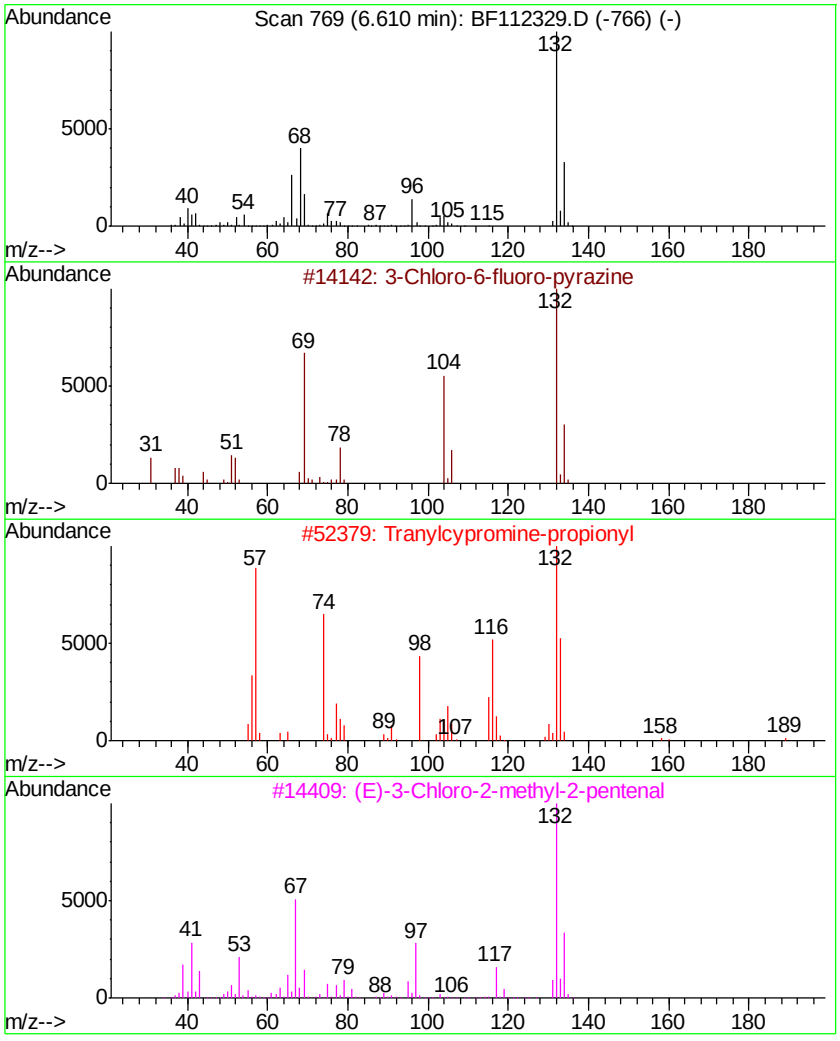
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

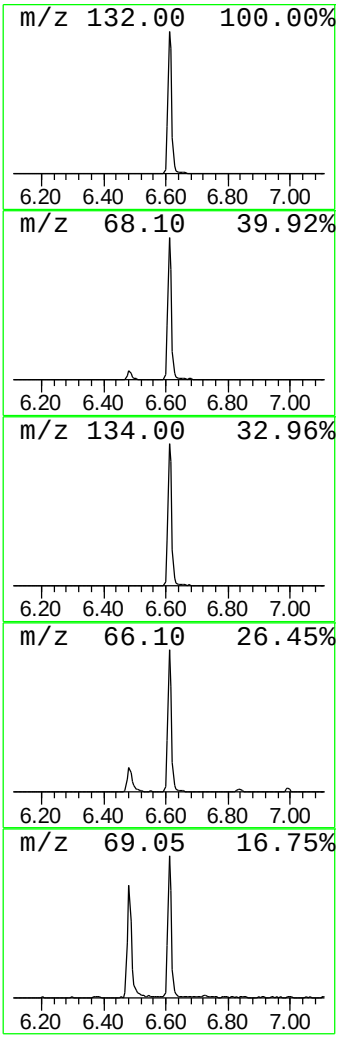
****

Peak Number 1 unknown6.61 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.61	38.31 ng	1512470	1,4-Dichlorobenzene-d4	6.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	27
2	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	10
3	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	9
4	Bicyclo[4.2.0]octa-1,3,5-triene,...	132	C10H12	028749-81-7	9
5	1-Methylpyrrolo[1,2-a]pyrazine	132	C8H8N2	064608-59-9	9





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF013019\
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Misc :
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Instrument : BNA_F
ClientSampleId : TP-2

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF012519.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
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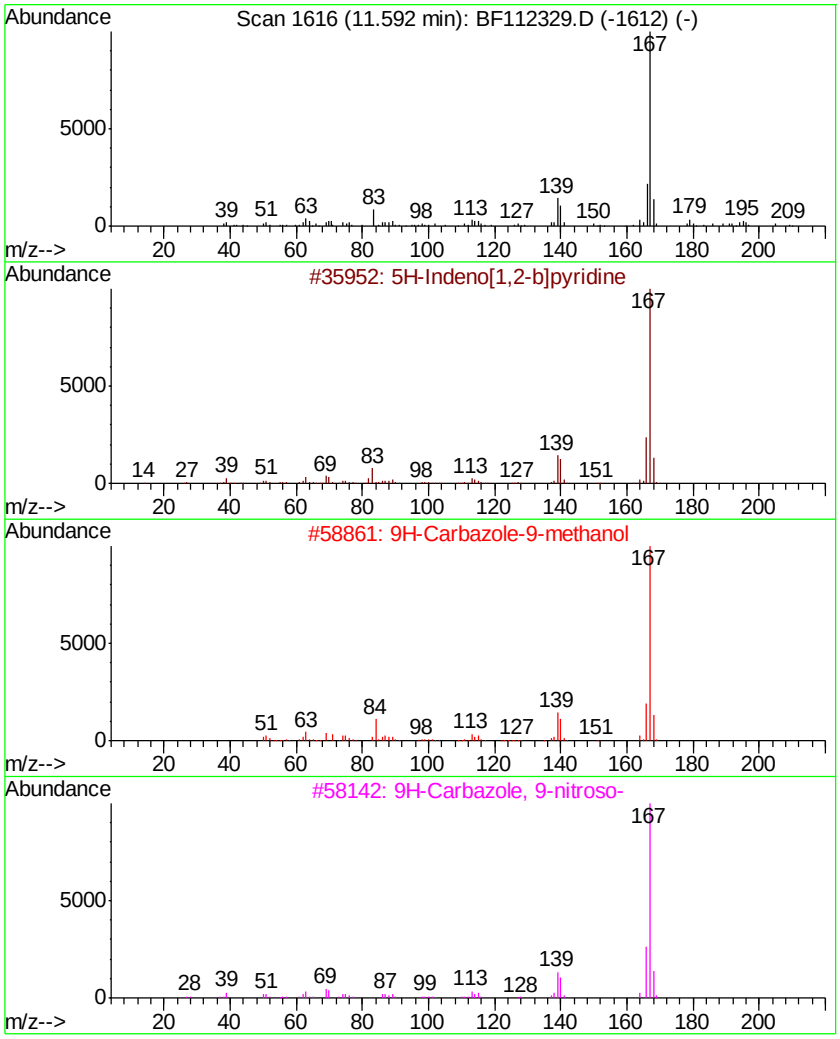
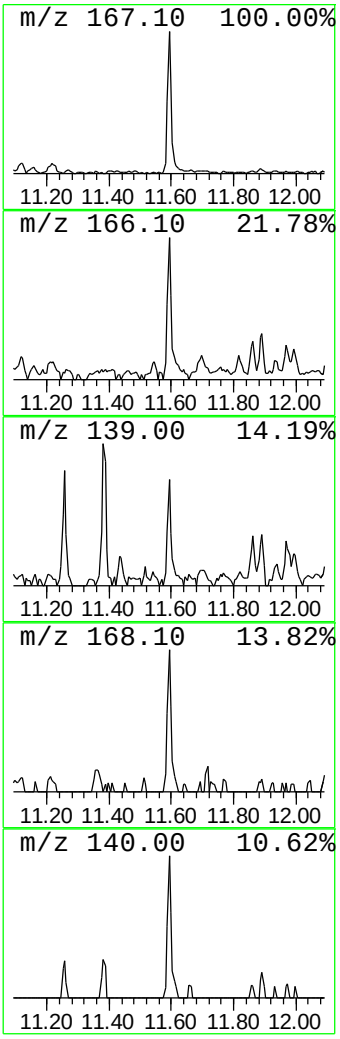
Peak Number 3 5H-Indeno[1,2-b]pyridine Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.59	2.99 ng	146364	Phenanthrene-d10	11.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5H-Indeno[1,2-b]pyridine	167	C12H9N	000244-99-5	95
2	9H-Carbazole-9-methanol	197	C13H11NO	002409-36-1	87
3	9H-Carbazole, 9-nitroso-	196	C12H8N2O	002788-23-0	87
4	Carbazole	167	C12H9N	000086-74-8	87
5	1,1'-Biphenyl, 2-azido-	195	C12H9N3	007599-23-7	87





Library Search Compound Report

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TIC Library : C:\DATABASE\NIST11.L
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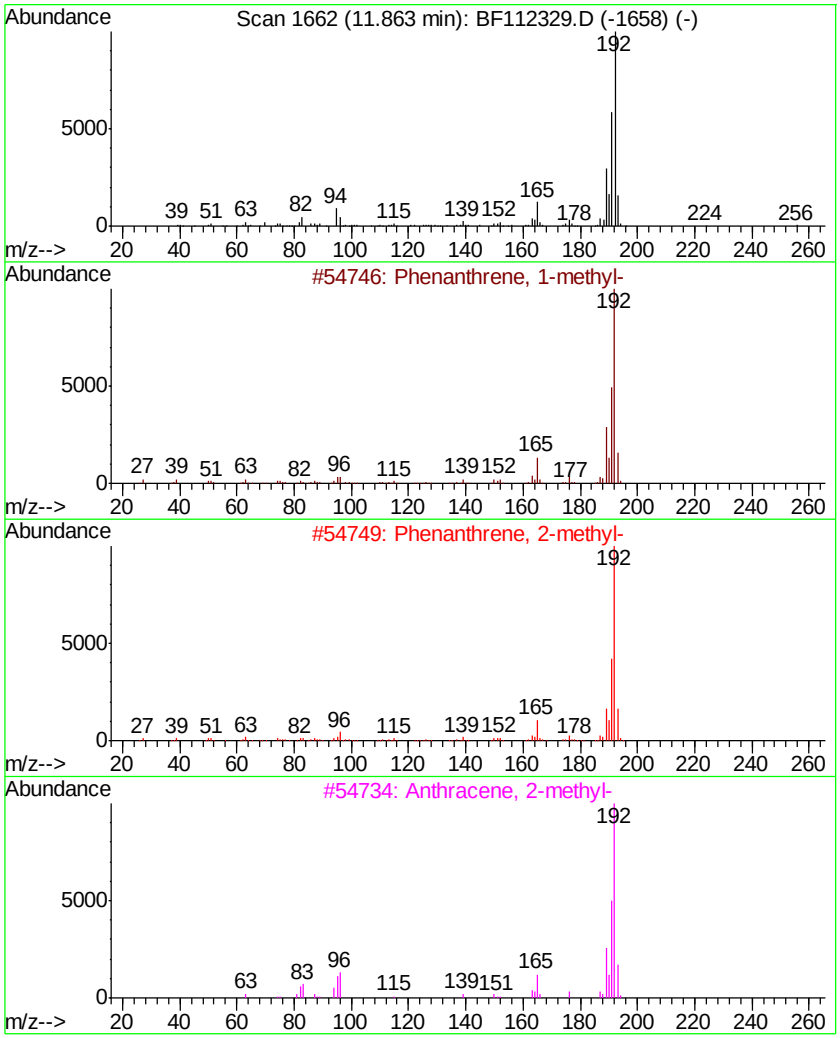
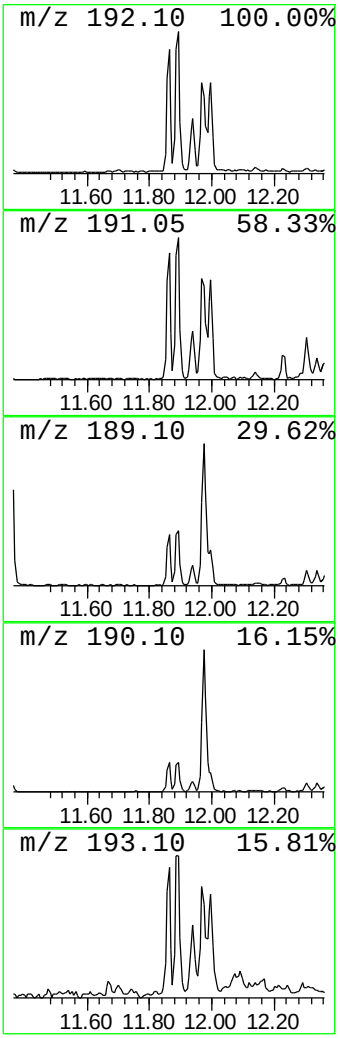
Peak Number 4 Phenanthrene, 1-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.86	6.01 ng	293953	Phenanthrene-d10	11.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	95
5	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	94





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Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-2

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF012519.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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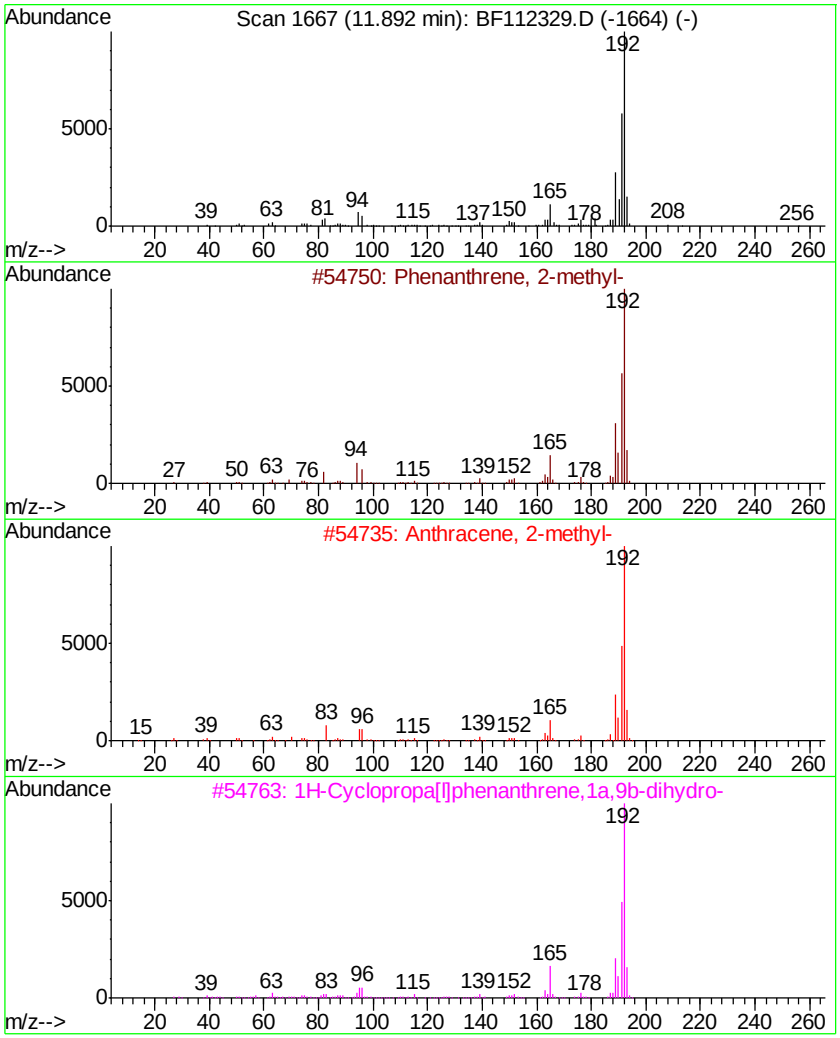
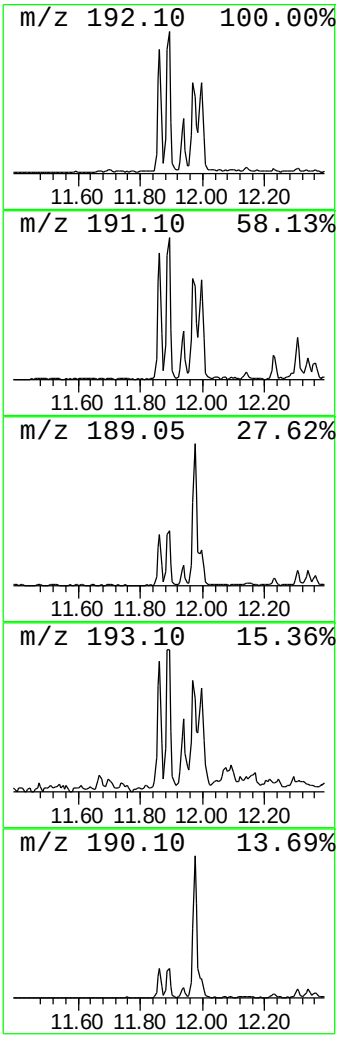
Peak Number 5 Phenanthrene, 2-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.89	8.48 ng	414687	Phenanthrene-d10	11.36

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	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	95
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
5	1H-Indene, 1-phenyl-	192	C15H12	001961-96-2	94





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF013019\
Data File : BF112329.D
Acq On : 30 Jan 2019 18:43
Operator : JU/SJ
Sample : K1282-05 2X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-2

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF012519.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

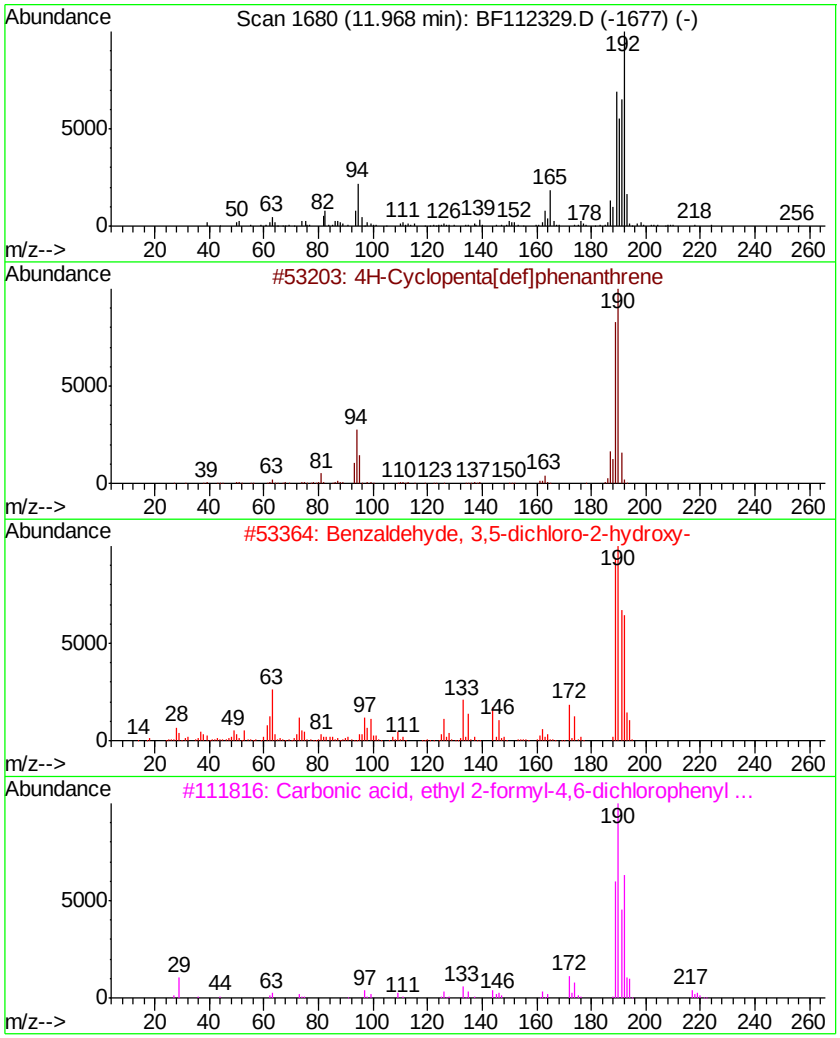
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

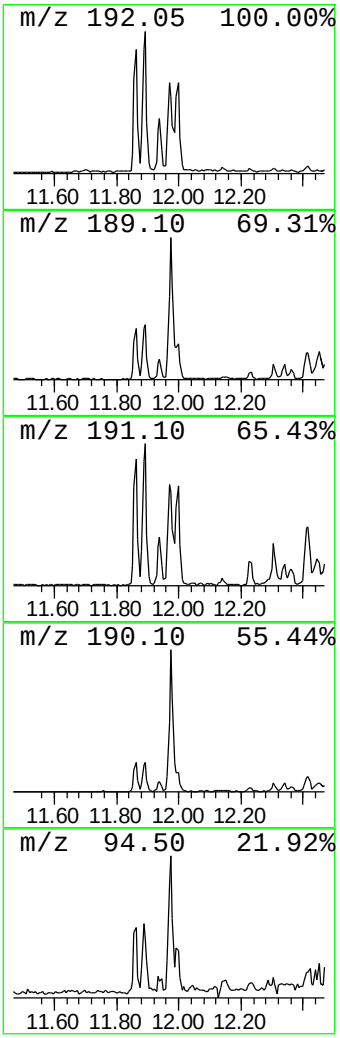
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.97	9.50 ng	465008	Phenanthrene-d10	11.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	92
2	Benzaldehyde, 3,5-dichloro-2-hyd...	190	C7H4Cl2O2	000090-60-8	64
3	Carbonic acid, ethyl 2-formyl-4,...	262	C10H8Cl2O4	1000331-34-4	53
4	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	38
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	25





Library Search Compound Report

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Acq On : 30 Jan 2019 18:43
Operator : JU/SJ
Sample : K1282-05 2X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-2

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

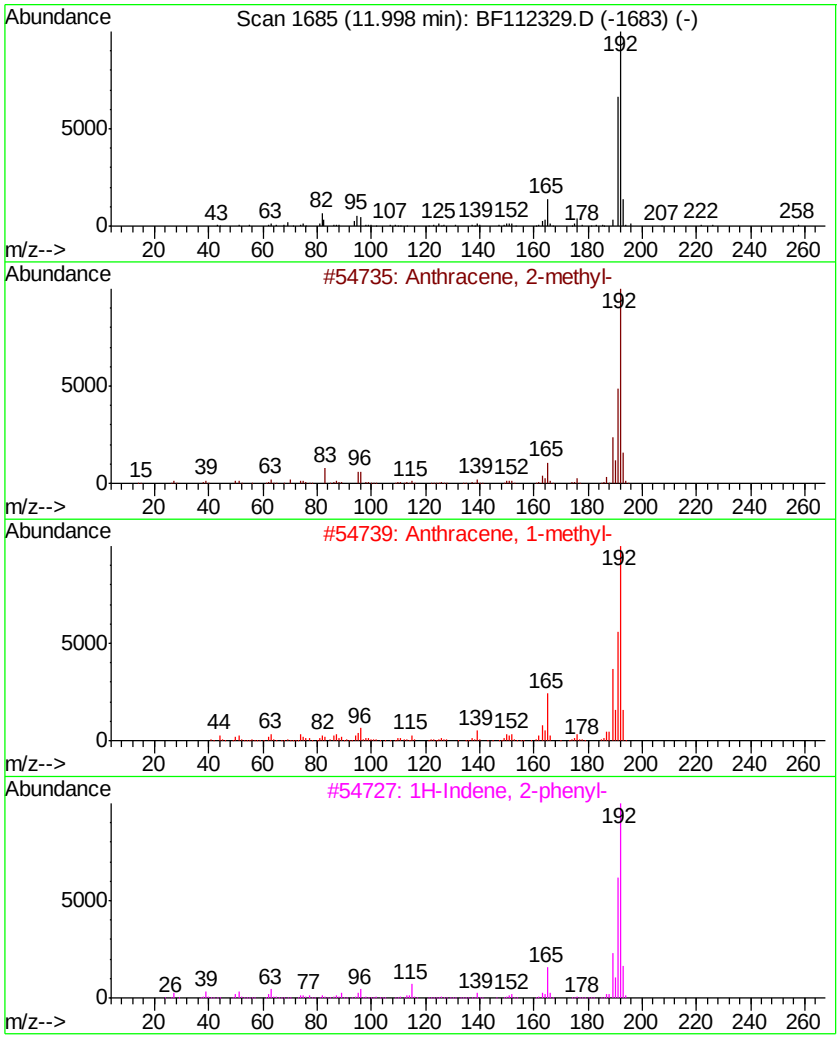
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

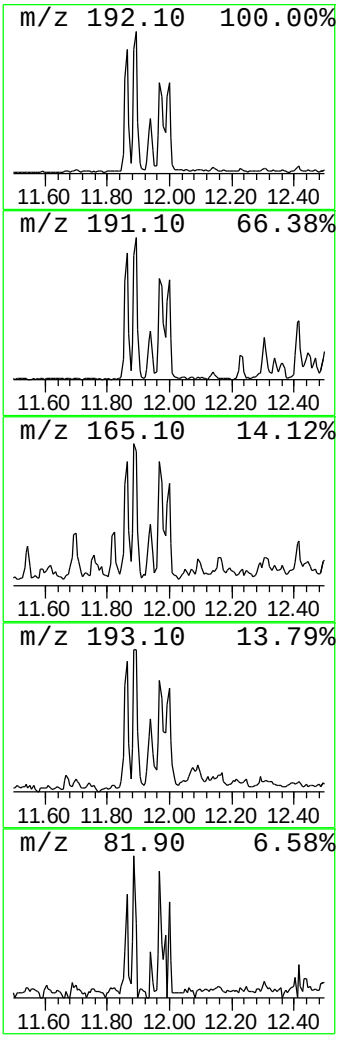
****

Peak Number 8 Anthracene, 2-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.00	4.00 ng	195556	Phenanthrene-d10	11.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	93
2	Anthracene, 1-methyl-	192	C15H12	000610-48-0	86
3	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	83
4	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	80
5	1H-Indene, 1-phenyl-	192	C15H12	001961-96-2	80





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ClientSampleId : TP-2

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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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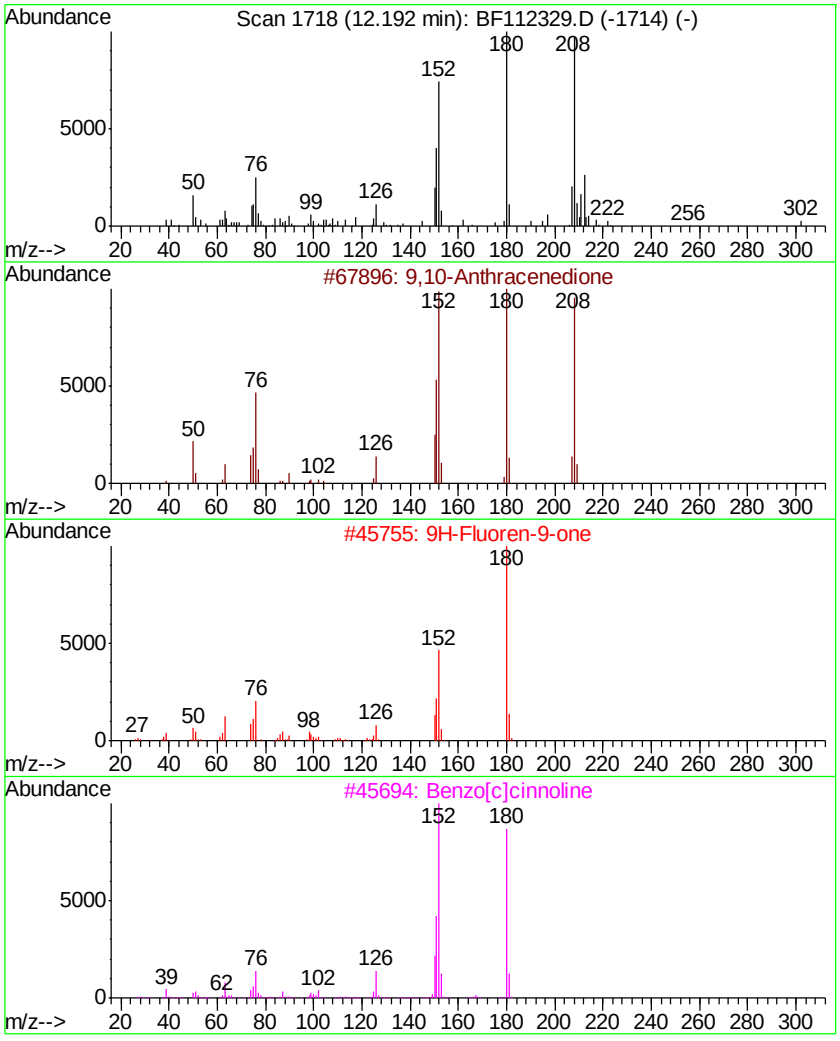
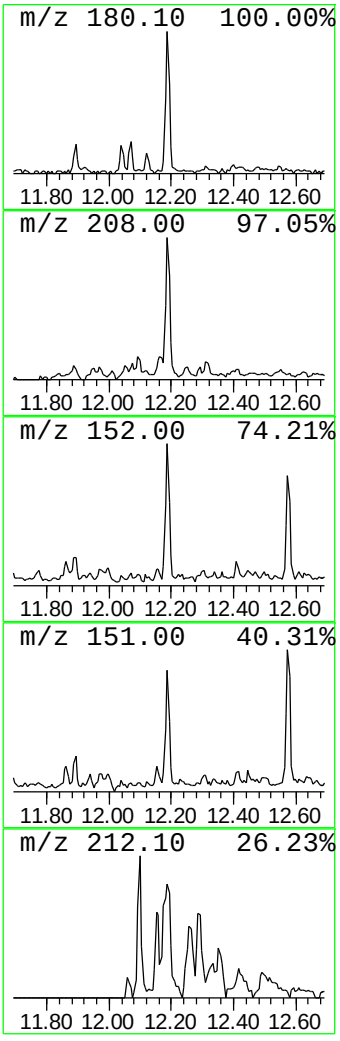
Peak Number 10 9,10-Anthracenedione Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.19	2.69 ng	131407	Phenanthrene-d10	11.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	97
2	9H-Fluoren-9-one	180	C13H8O	000486-25-9	83
3	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	78
4	1H-Phenalen-1-one	180	C13H8O	000548-39-0	55
5	9,10-Phenanthrenedione	208	C14H8O2	000084-11-7	53





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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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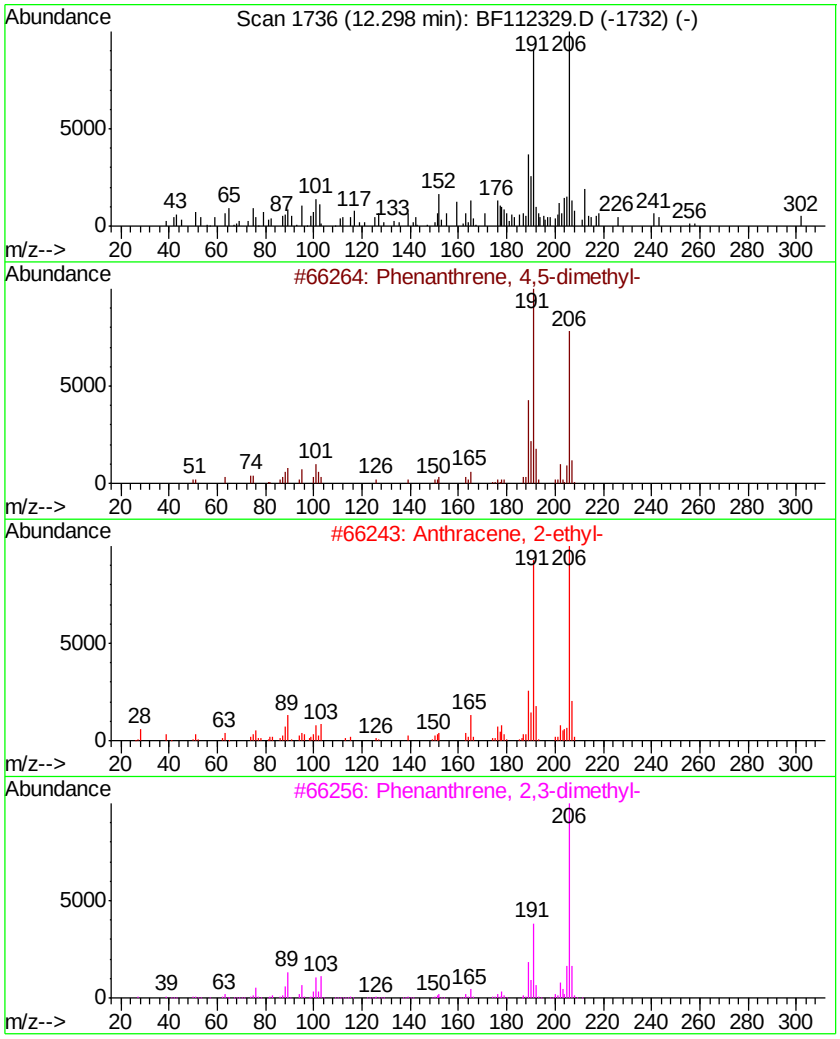
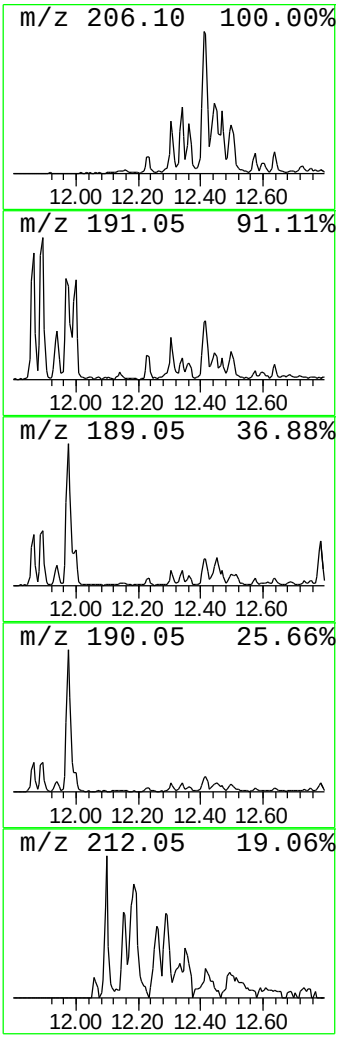
Peak Number 11 Phenanthrene, 4,5-dimethyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.30	2.61 ng	127890	Phenanthrene-d10	11.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	93
2	Anthracene, 2-ethyl-	206	C16H14	052251-71-5	81
3	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	80
4	Phenanthrene, 2-ethyl-	206	C16H14	003674-74-6	64
5	1H-Indene, 2-methyl-3-phenyl-	206	C16H14	035099-60-6	64





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Sample : K1282-05 2X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-2

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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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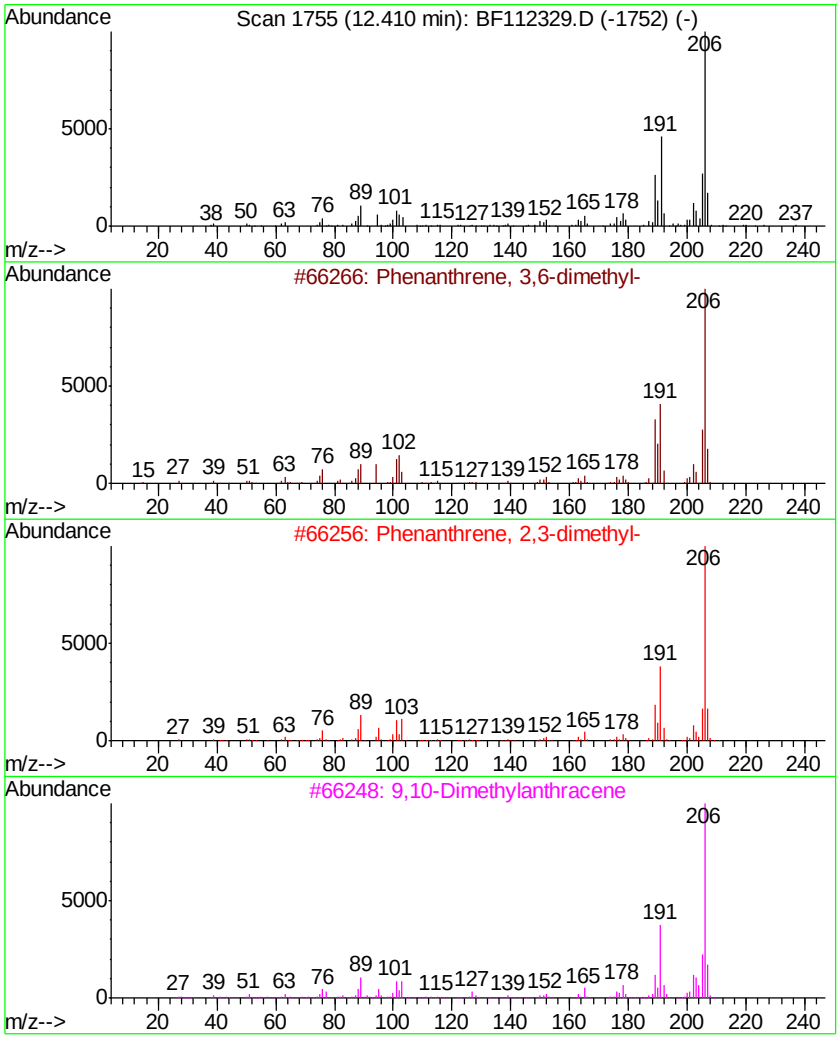
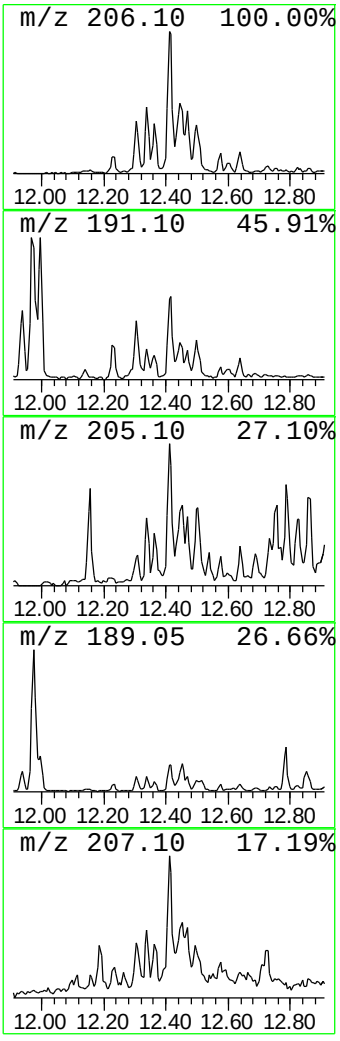
Peak Number 12 Phenanthrene, 3,6-dimethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.41	4.90 ng	239728	Phenanthrene-d10	11.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	93
2	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	93
3	9,10-Dimethylanthracene	206	C16H14	000781-43-1	91
4	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	91
5	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	90





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Operator : JU/SJ
Sample : K1282-05 2X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-2

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF012519.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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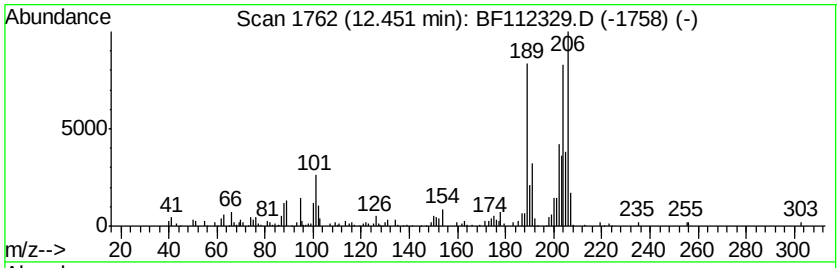
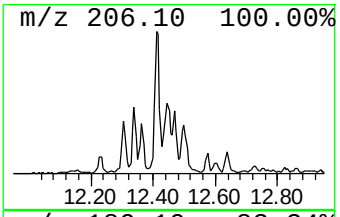
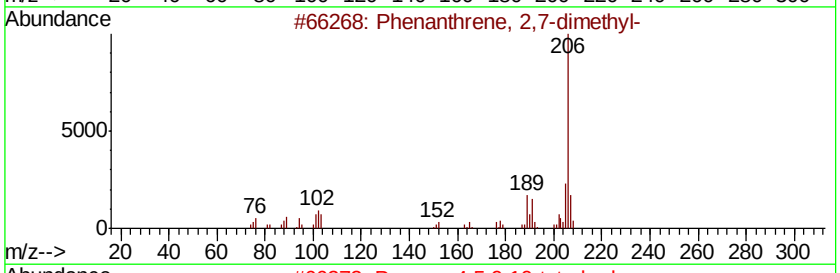
Peak Number 13 unknown12.45 Concentration Rank 8

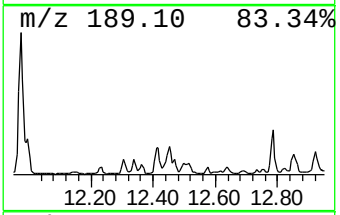
R.T.	EstConc	Area	Relative to ISTD	R.T.
12.45	4.20 ng	205303	Phenanthrene-d10	11.36

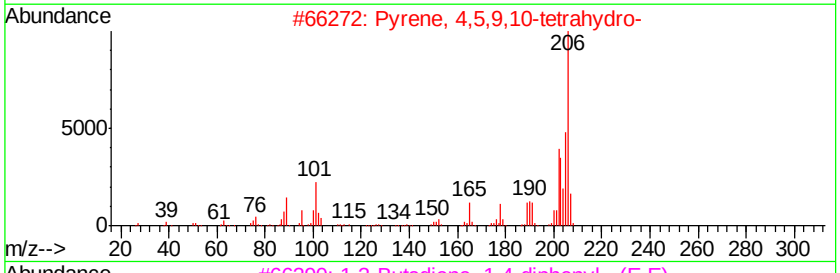
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	43
2	Pyrene, 4,5,9,10-tetrahydro-	206	C16H14	000781-17-9	41
3	1,3-Butadiene, 1,4-diphenyl-, (E...	206	C16H14	000538-81-8	30
4	1,4-Diphenyl-1,3-butadiene	206	C16H14	000886-65-7	27
5	Indeno[2,1-a]indene, 5,10-dihydro-	204	C16H12	006543-29-9	25

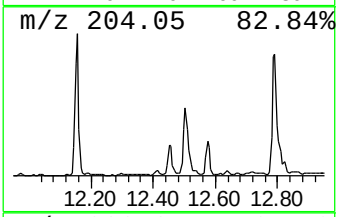


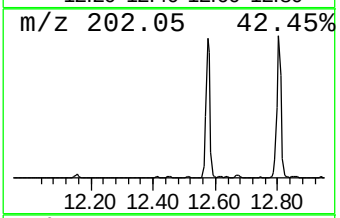


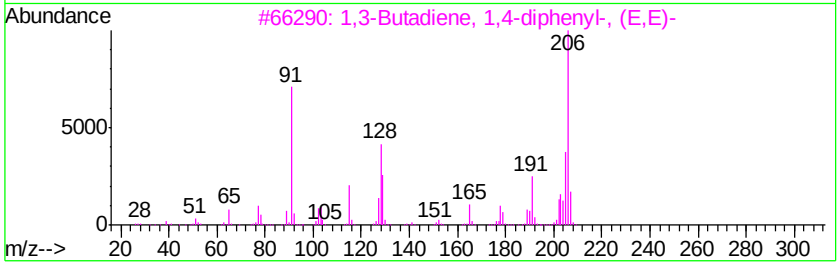


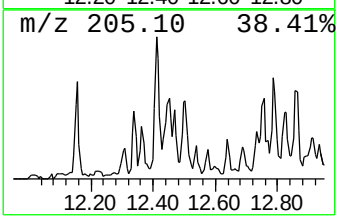












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Acq On : 30 Jan 2019 18:43
Operator : JU/SJ
Sample : K1282-05 2X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-2

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF012519.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

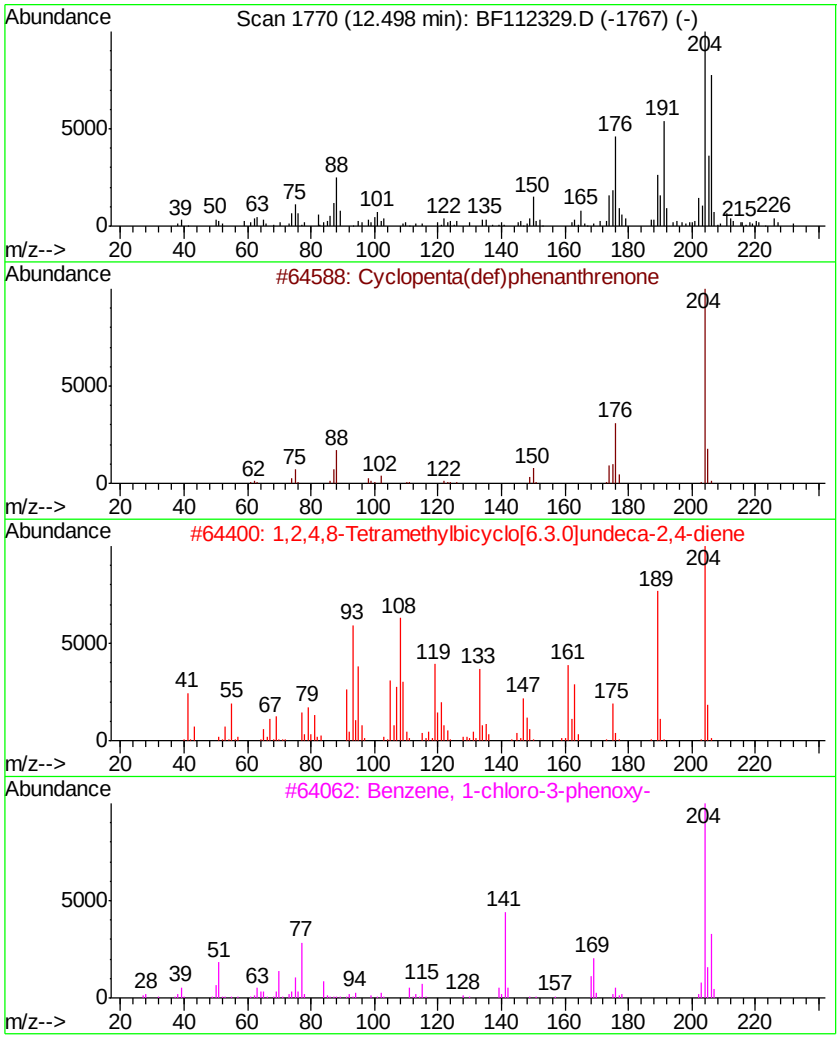
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

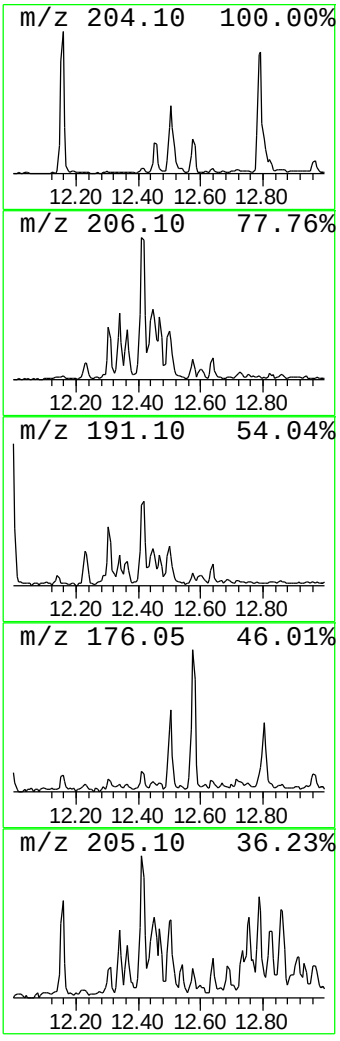
****

Peak Number 14 Cyclopenta(def)phenanthrenone Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.50	3.79 ng	185532	Phenanthrene-d10	11.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	60
2	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	38
3	Benzene, 1-chloro-3-phenoxy-	204	C12H9ClO	006452-49-9	37
4	.alpha.-L-Mannopyranose, 6-deoxy...	452	C18H44O5Si4	055057-21-1	37
5	Tricyclo[5.1.0.0(2,4)]octane, 5-...	247	C17H29N	1000063-59-3	35





Library Search Compound Report

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Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-2

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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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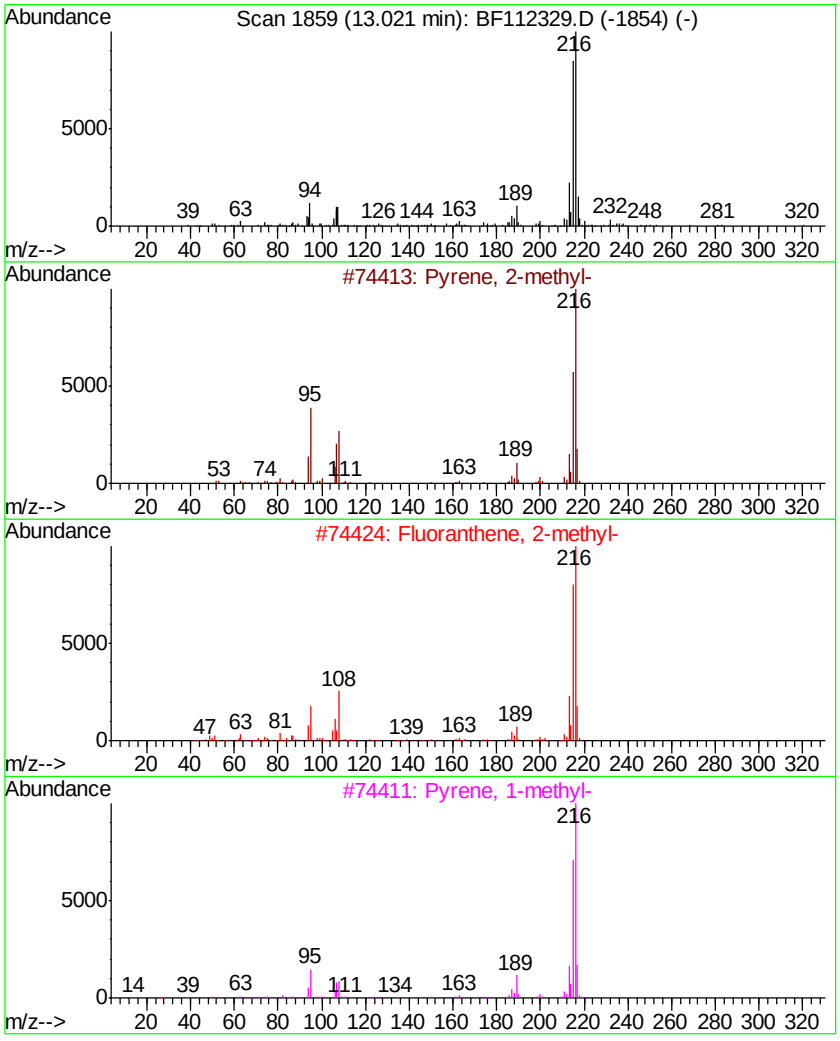
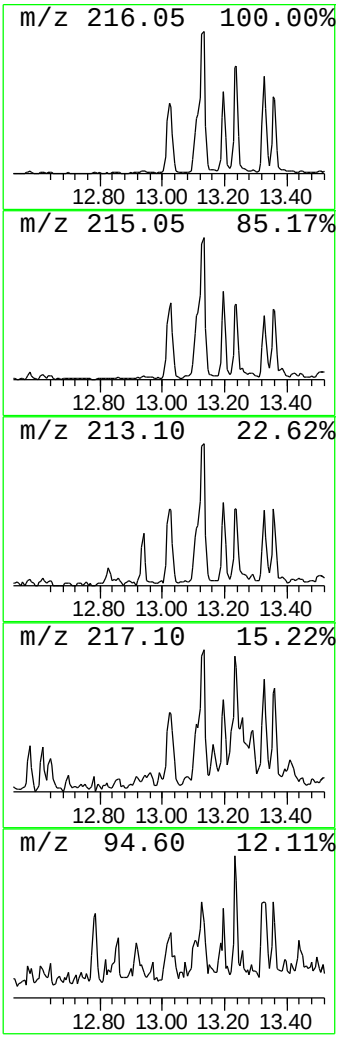
Peak Number 15 Pyrene, 2-methyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.02	2.49 ng	322709	Chrysene-d12	14.00

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 2-methyl-	216	C17H12	003442-78-2	95
2	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	94
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	93
4	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	90
5	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	87





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ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
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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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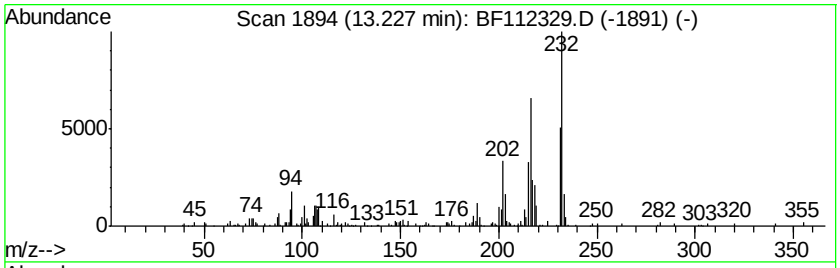
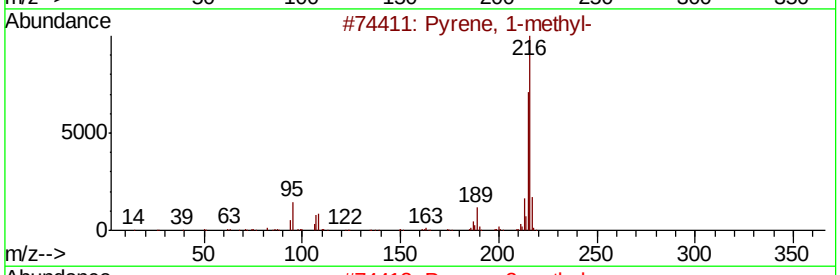
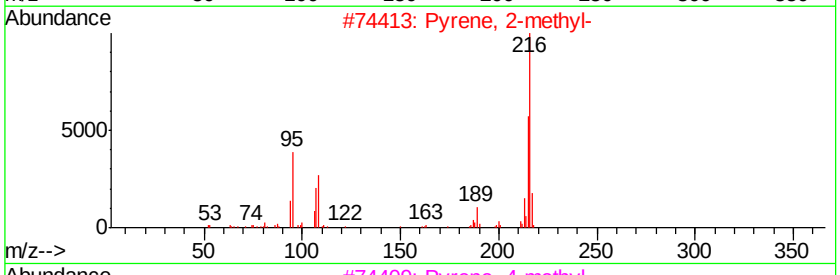
Peak Number 16 Pyrene, 1-methyl- Concentration Rank 18

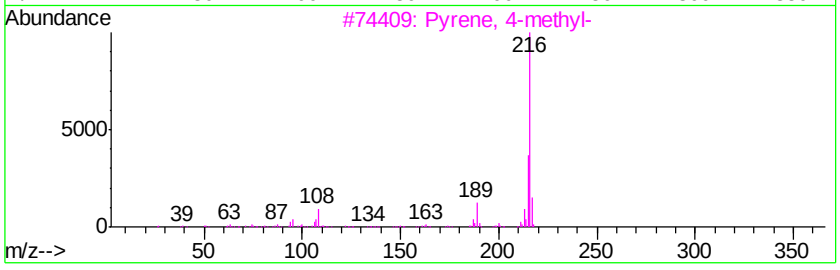
R.T.	EstConc	Area	Relative to ISTD	R.T.
13.23	2.45 ng	317302	Chrysene-d12	14.00

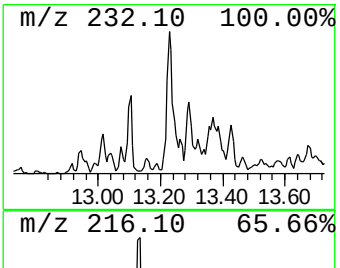
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	93
2	Pyrene, 2-methyl-	216	C17H12	003442-78-2	92
3	Pyrene, 4-methyl-	216	C17H12	003353-12-6	91
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	83
5	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	70

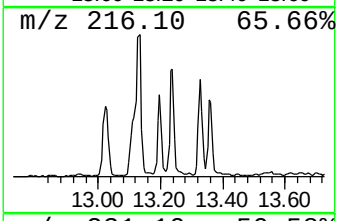


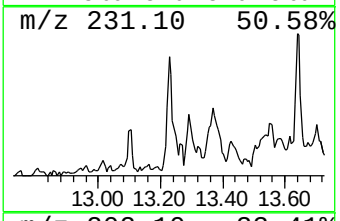


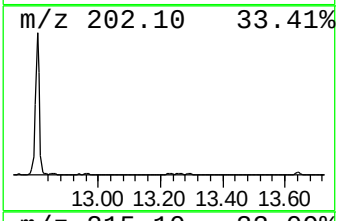


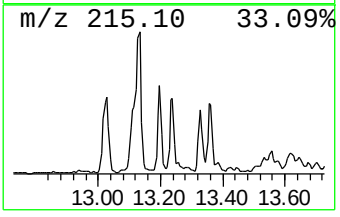












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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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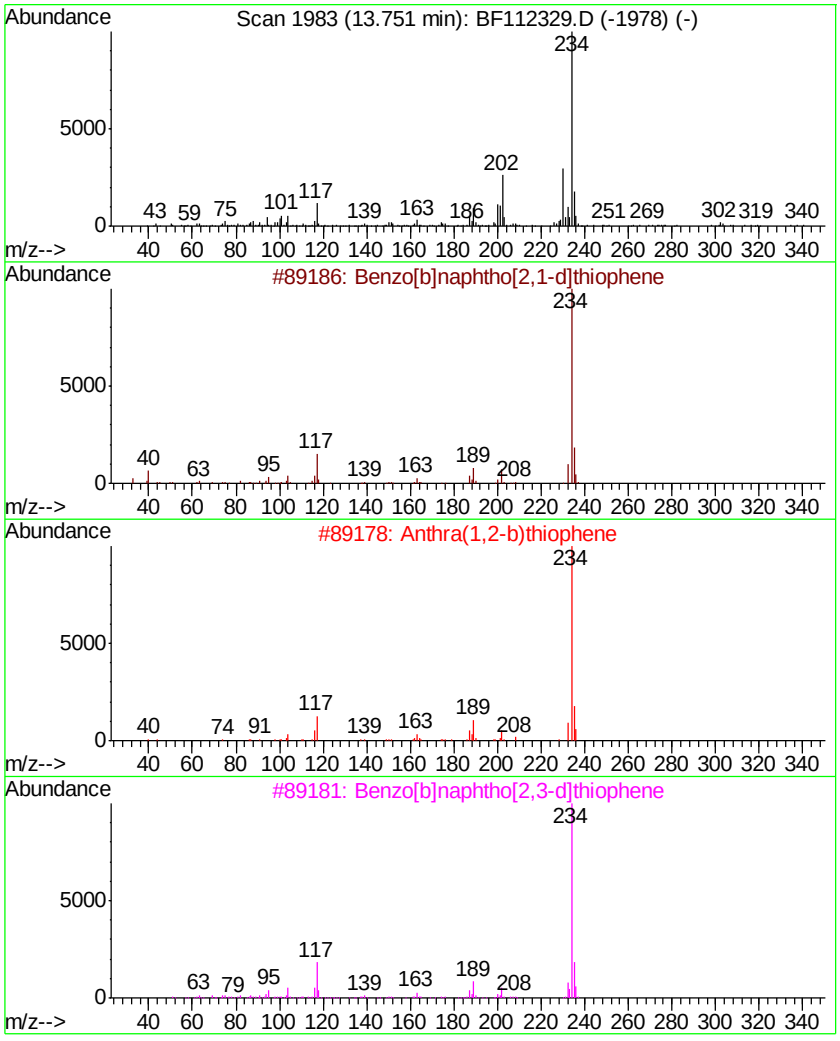
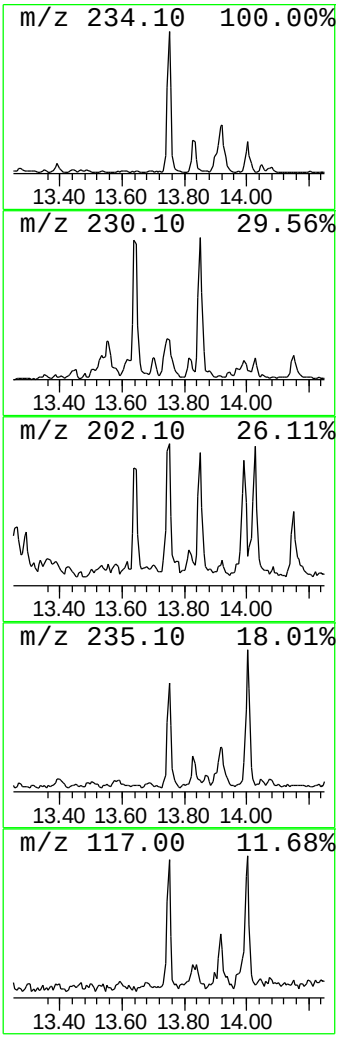
Peak Number 17 Benzo[b]naphtho[2,1-d]thiop... Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.75	2.27 ng	294913	Chrysene-d12	14.00

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	83
2	Anthra(1,2-b)thiophene	234	C16H10S	000227-86-1	83
3	Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	62
4	Phenanthro(2,1-b)thiophene	234	C16H10S	000219-25-0	53
5	Benzo[b]naphtho[1,2-d]thiophene	234	C16H10S	000205-43-6	47





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF013019\
Data File : BF112329.D
Acq On : 30 Jan 2019 18:43
Operator : JU/SJ
Sample : K1282-05 2X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-2

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF012519.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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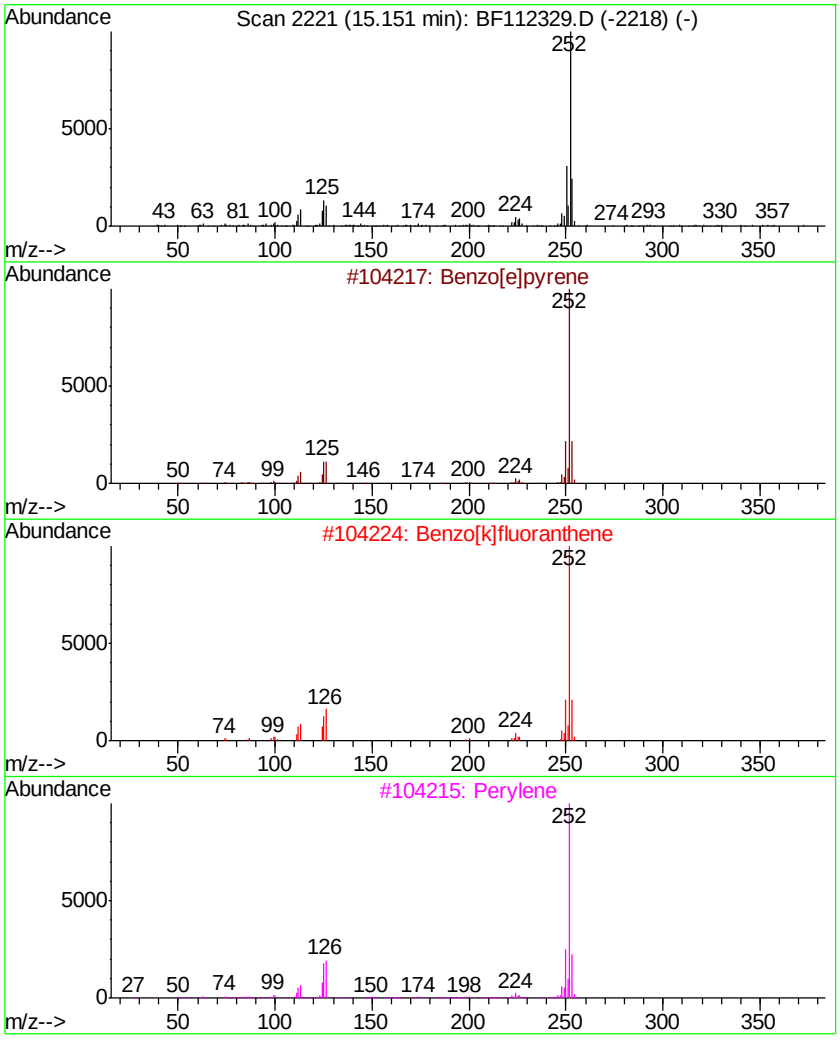
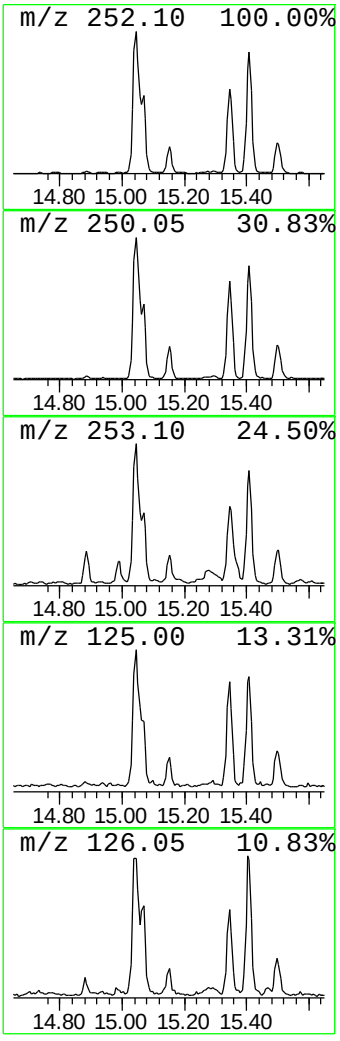
Peak Number 18 Benzo[e]pyrene Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.15	2.65 ng	159606	Perylene-d12	15.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	96
2	Benzo[k]fluoranthene	252	C20H12	000207-08-9	96
3	Perylene	252	C20H12	000198-55-0	95
4	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	93
5	Benzo[a]pyrene	252	C20H12	000050-32-8	93





Library Search Compound Report

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Data File : BF112329.D
Acq On : 30 Jan 2019 18:43
Operator : JU/SJ
Sample : K1282-05 2X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-2

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF012519.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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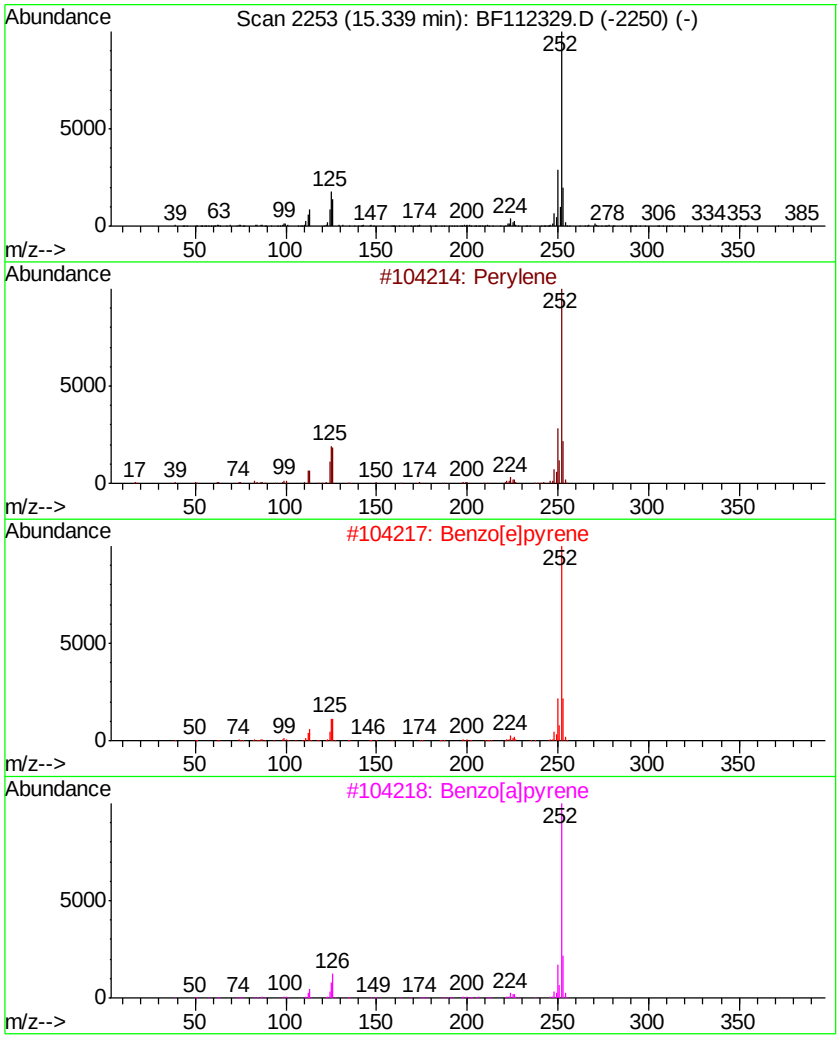
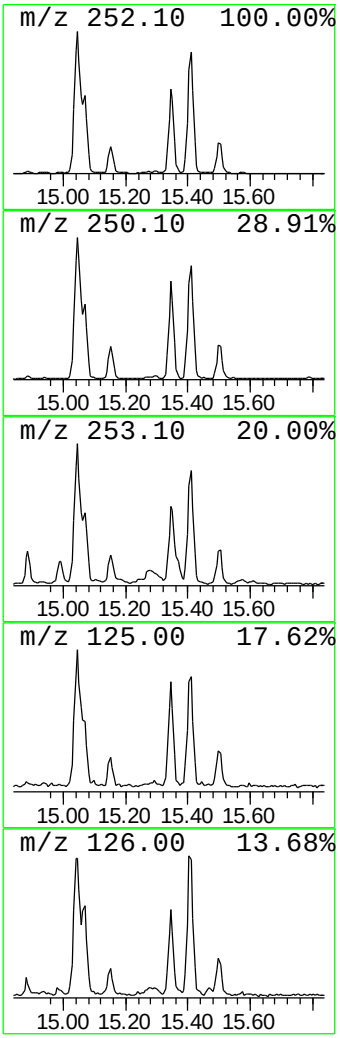
Peak Number 19 Perylene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.34	11.29 ng	680417	Perylene-d12	15.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Perylene	252	C20H12	000198-55-0	99
2	Benzo[e]pyrene	252	C20H12	000192-97-2	99
3	Benzo[a]pyrene	252	C20H12	000050-32-8	98
4	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	94
5	Benzo[k]fluoranthene	252	C20H12	000207-08-9	93





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF013019\
Data File : BF112329.D
Acq On : 30 Jan 2019 18:43
Operator : JU/SJ
Sample : K1282-05 2X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-2

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF012519.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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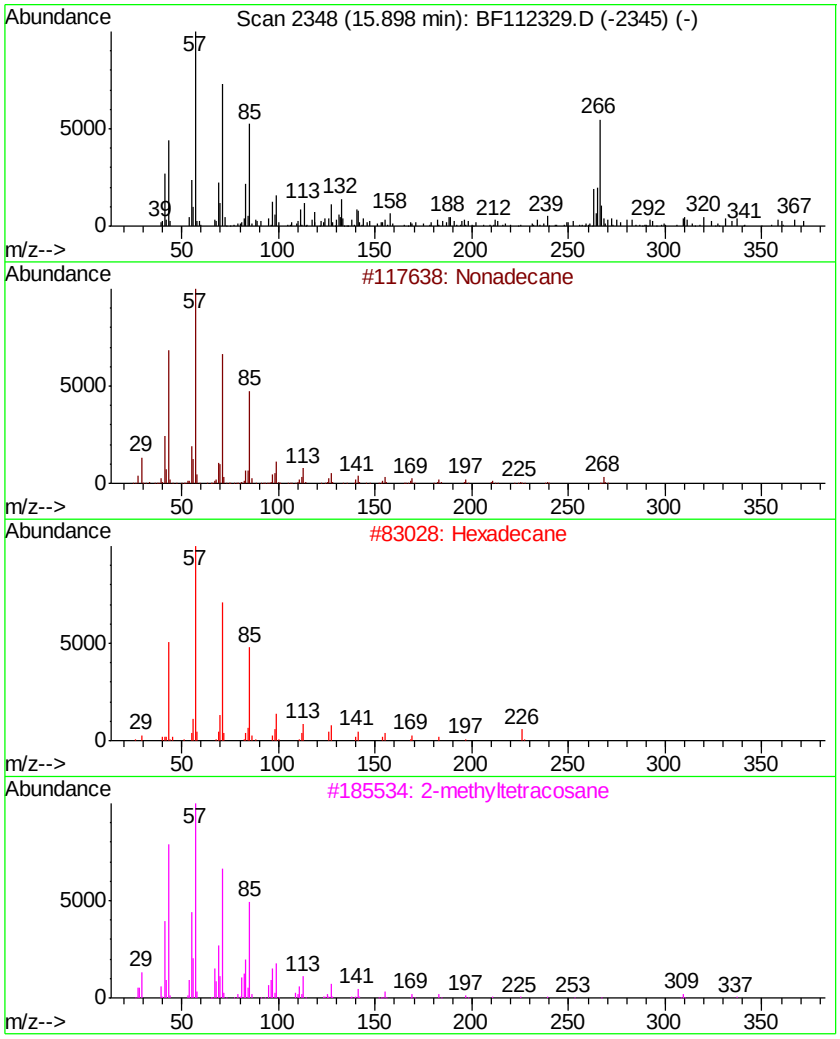
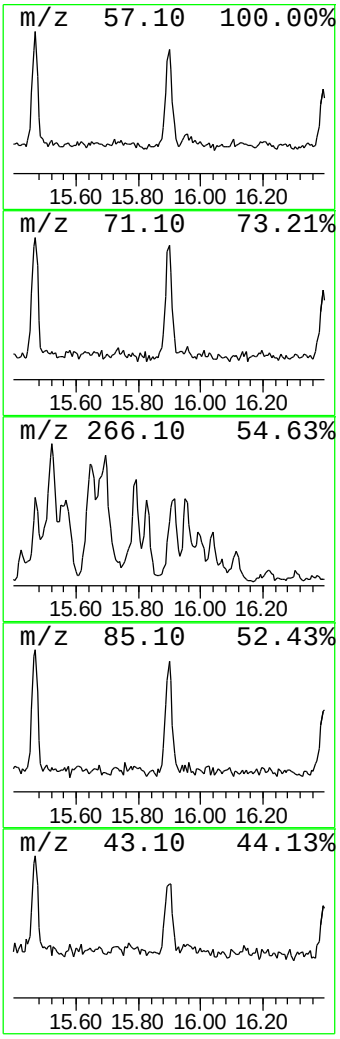
Peak Number 20 Nonadecane Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.90	2.21 ng	133046	Perylene-d12	15.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonadecane	268	C19H40	000629-92-5	70
2	Hexadecane	226	C16H34	000544-76-3	49
3	2-methyltetracosane	352	C25H52	1000376-72-6	49
4	Hentriacontane	437	C31H64	000630-04-6	49
5	Docosane	310	C22H46	000629-97-0	49





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF013019\
Data File : BF112329.D
Acq On : 30 Jan 2019 18:43
Operator : JU/SJ
Sample : K1282-05 2X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-2

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF012519.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
unknown6.61	6.61	38.3	ng	1512470	1	6.84	789508	20.0
5H-Indeno[1,2-b]p...	11.59	3.0	ng	146364	4	11.36	978491	20.0
Phenanthrene, 1-m...	11.86	6.0	ng	293953	4	11.36	978491	20.0
Phenanthrene, 2-m...	11.89	8.5	ng	414687	4	11.36	978491	20.0
4H-Cyclopenta[def...	11.97	9.5	ng	465008	4	11.36	978491	20.0
Anthracene, 2-met...	12.00	4.0	ng	195556	4	11.36	978491	20.0
9,10-Anthracenedione	12.19	2.7	ng	131407	4	11.36	978491	20.0
Phenanthrene, 4,5...	12.30	2.6	ng	127890	4	11.36	978491	20.0
Phenanthrene, 3,6...	12.41	4.9	ng	239728	4	11.36	978491	20.0
unknown12.45	12.45	4.2	ng	205303	4	11.36	978491	20.0
Cyclopenta(def)ph...	12.50	3.8	ng	185532	4	11.36	978491	20.0
Pyrene, 2-methyl-	13.02	2.5	ng	322709	5	14.00	2594490	20.0
Pyrene, 1-methyl-	13.23	2.5	ng	317302	5	14.00	2594490	20.0
Benzo[b]naphtho[2...	13.75	2.3	ng	294913	5	14.00	2594490	20.0
Benzo[e]pyrene	15.15	2.6	ng	159606	6	15.47	1205090	20.0
Perylene	15.34	11.3	ng	680417	6	15.47	1205090	20.0
Nonadecane	15.90	2.2	ng	133046	6	15.47	1205090	20.0