LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061021\
Data File : BF124243.D
Acq On : 10 Jun 2021 20:55
Operator : JU/CG
Sample : M2644-04
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 329

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-BF060321.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF124243.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.057	502	505	510	rVB	26204	30070	2.81%	0.199%
2	5.475	572	576	590	rBB	623507	538906	50.41%	3.568%
3	6.122	684	686	689	rBB	25393	22490	2.10%	0.149%
4	6.487	744	748	756	rBV	663402	546221	51.10%	3.617%
5	6.846	806	809	813	rBV	282380	212935	19.92%	1.410%
6	7.410	901	905	908	rBV	437723	371482	34.75%	2.460%
7	8.128	1024	1027	1035	rBV	334267	279852	26.18%	1.853%
8	9.204	1206	1210	1213	rBV	952229	725146	67.83%	4.801%
9	9.598	1274	1277	1281	rBV	135831	107229	10.03%	0.710%
10	9.745	1299	1302	1305	rBV	44075	32295	3.02%	0.214%
11	9.886	1322	1326	1329	rVV	426624	331047	30.97%	2.192%
12	9.916	1329	1331	1334	rVB	49350	38507	3.60%	0.255%
13	10.428	1415	1418	1424	rVB	48087	46522	4.35%	0.308%
14	10.675	1456	1460	1463	rBV	589523	489592	45.80%	3.242%
15	10.781	1475	1478	1480	rBV2	82366	71589	6.70%	0.474%
16	10.975	1506	1511	1515	rBV4	25264	30030	2.81%	0.199%
17	11.175	1543	1545	1548	rBV	25403	23542	2.20%	0.156%
18	11.233	1548	1555	1558	rBV4	28642	38880	3.64%	0.257%
19	11.269	1558	1561	1566	rVB2	31235	31124	2.91%	0.206%
20	11.322	1566	1570	1573	rBV	37955	34860	3.26%	0.231%
21	11.375	1575	1579	1581	rBV	355567	342707	32.06%	2.269%
22	11.398	1581	1583	1586	rVV	485026	356353	33.33%	2.360%
23	11.445	1588	1591	1594	rVB	123832	106237	9.94%	0.703%
24	11.481	1594	1597	1600	rBV2	42414	41952	3.92%	0.278%
25	11.586	1612	1615	1616	rBV3	30550	24745	2.31%	0.164%
26	11.604	1616	1618	1625	rVV3	54229	63277	5.92%	0.419%
27	11.669	1625	1629	1632	rVV4	29863	37370	3.50%	0.247%
28	11.704	1632	1635	1640	rVB5	18897	26593	2.49%	0.176%
29	11.875	1659	1664	1666	rVV2	66999	77596	7.26%	0.514%
30	11.898	1666	1668	1672	rVV2	151280	149655	14.00%	0.991%
31	11.951	1674	1677	1679	rVV	53418	48233	4.51%	0.319%
32	11.986	1679	1683	1685	rVV2	150672	152696	14.28%	1.011%
33	12.004	1685	1686	1691	rVB	42006	39332	3.68%	0.260%
34	12.104	1701	1703	1706	rBV4	22042	22305	2.09%	0.148%
35	12.169	1711	1714	1716	rVV	65705	47415	4.44%	0.314%
36	12.198	1716	1719	1721	rVB	53270	42714	4.00%	0.283%

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Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_F
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Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF060321.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	12.316	1735	1739	1742	rBV4	30187	36044	3.37%	0.239%
38	12.422	1753	1757	1760	rBV	57406	62231	5.82%	0.412%
39	12.463	1760	1764	1766	rVV4	33250	46233	4.32%	0.306%
40	12.516	1769	1773	1777	rBV	130784	130278	12.19%	0.863%
41	12.592	1782	1786	1789	rBV	1232773	1049660	98.19%	6.950%
42	12.628	1789	1792	1794	rVV4	25443	25387	2.37%	0.168%
43	12.651	1794	1796	1799	rVB2	43014	36462	3.41%	0.241%
44	12.680	1799	1801	1804	rBV3	30794	28014	2.62%	0.185%
45	12.733	1804	1810	1813	rBV3	44270	66378	6.21%	0.440%
46	12.822	1818	1825	1830	rBV	1035775	1069021	100.00%	7.078%
47	12.863	1830	1832	1837	rVB2	40060	58310	5.45%	0.386%
48	12.957	1840	1848	1850	rBV	717830	673372	62.99%	4.459%
49	12.975	1850	1851	1854	rVB	101719	81386	7.61%	0.539%
50	13.033	1854	1861	1865	rBV4	95518	153532	14.36%	1.017%
51	13.122	1873	1876	1877	rBV3	76506	82257	7.69%	0.545%
52	13.145	1877	1880	1883	rVB2	170854	167675	15.68%	1.110%
53	13.180	1883	1886	1888	rBV3	20372	26551	2.48%	0.176%
54	13.210	1888	1891	1894	rVV	143126	113106	10.58%	0.749%
55	13.251	1894	1898	1900	rVV2	110163	125691	11.76%	0.832%
56	13.269	1900	1901	1905	rVB4	25171	26020	2.43%	0.172%
57	13.339	1910	1913	1916	rBV	68916	71081	6.65%	0.471%
58	13.369	1916	1918	1922	rVV3	57711	63974	5.98%	0.424%
59	13.498	1937	1940	1942	rBV3	25001	25411	2.38%	0.168%
60	13.627	1959	1962	1964	rBV4	41897	44618	4.17%	0.295%
61	13.657	1964	1967	1970	rVV	85293	85060	7.96%	0.563%
62	13.716	1974	1977	1980	rVB5	22142	23422	2.19%	0.155%
63	13.763	1980	1985	1988	rBV2	120536	140671	13.16%	0.931%
64	13.792	1988	1990	1992	rVV	84787	75593	7.07%	0.501%
65	13.816	1992	1994	1999	rVV2	89409	127544	11.93%	0.845%
66	13.863	1999	2002	2005	rVB	103087	103818	9.71%	0.687%
67	13.933	2011	2014	2019	rVB3	38441	59207	5.54%	0.392%
68	14.010	2020	2027	2031	rBV2	502161	869939	81.38%	5.760%
69	14.045	2031	2033	2040	rVB	531089	485599	45.42%	3.215%
70	14.104	2040	2043	2044	rBV3	30506	22716	2.12%	0.150%
71	14.122	2044	2046	2048	rBV	91003	72095	6.74%	0.477%
72	14.233	2062	2065	2070	rVB2	54216	72884	6.82%	0.483%
73	14.274	2070	2072	2075	rVB4	35891	33050	3.09%	0.219%
74	14.333	2079	2082	2084	rBV4	19562	27209	2.55%	0.180%
75	14.363	2085	2087	2089	rVV3	37035	28137	2.63%	0.186%
76	14.404	2089	2094	2097	rVV	100844	120505	11.27%	0.798%

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Instrument : BNA_F
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77	14.433	2097	2099	2104	rVB2	55505	70009	6.55%	0.464%
78	14.480	2104	2107	2108	rBV3	33090	33940	3.17%	0.225%
79	14.527	2112	2115	2117	rVV3	75535	67649	6.33%	0.448%
80	14.551	2117	2119	2122	rVB3	53836	43580	4.08%	0.289%
81	14.598	2125	2127	2131	rVB2	48902	48836	4.57%	0.323%
82	14.645	2132	2135	2139	rVB6	25716	32660	3.06%	0.216%
83	14.716	2143	2147	2149	rBV4	70889	83149	7.78%	0.551%
84	14.798	2157	2161	2164	rBV6	15415	25738	2.41%	0.170%
85	14.833	2164	2167	2169	rVB4	40584	41317	3.86%	0.274%
86	14.904	2175	2179	2186	rVB6	53766	94821	8.87%	0.628%
87	15.069	2201	2207	2210	rBV	442136	658456	61.59%	4.360%
88	15.174	2222	2225	2228	rVB	74408	72151	6.75%	0.478%
89	15.263	2236	2240	2245	rBV8	38729	81940	7.66%	0.543%
90	15.374	2254	2259	2265	rVB	229143	300674	28.13%	1.991%
91	15.433	2265	2269	2274	rBV	261179	353298	33.05%	2.339%
92	15.498	2274	2280	2283	rVV	203537	304389	28.47%	2.015%
93	15.521	2283	2284	2292	rVB3	76942	114289	10.69%	0.757%
94	15.645	2301	2305	2311	rBV6	19261	36900	3.45%	0.244%
95	15.816	2331	2334	2337	rBV5	20702	29391	2.75%	0.195%
96	16.057	2374	2375	2383	rVB8	26222	34171	3.20%	0.226%
97	16.633	2469	2473	2477	rBV7	20269	23045	2.16%	0.153%
98	16.974	2525	2531	2542	rBV2	94132	202629	18.95%	1.342%
99	17.163	2556	2563	2567	rBV7	17100	38086	3.56%	0.252%
100	17.427	2601	2608	2616	rVB4	53319	119926	11.22%	0.794%

Sum of corrected areas: 15102684

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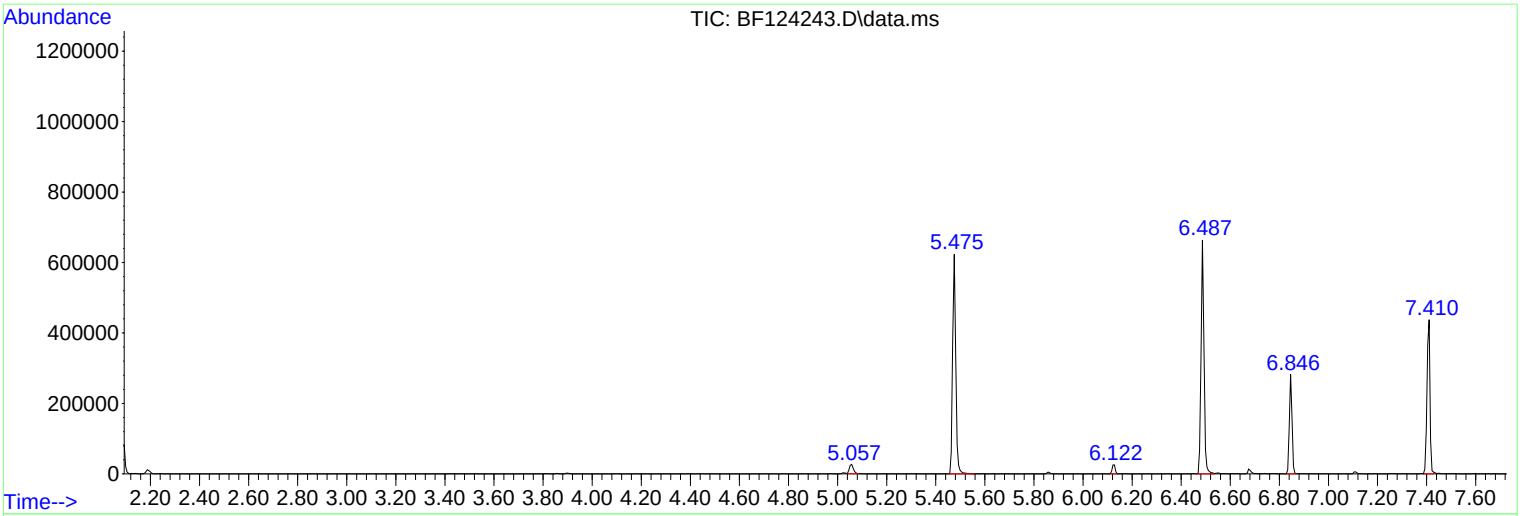
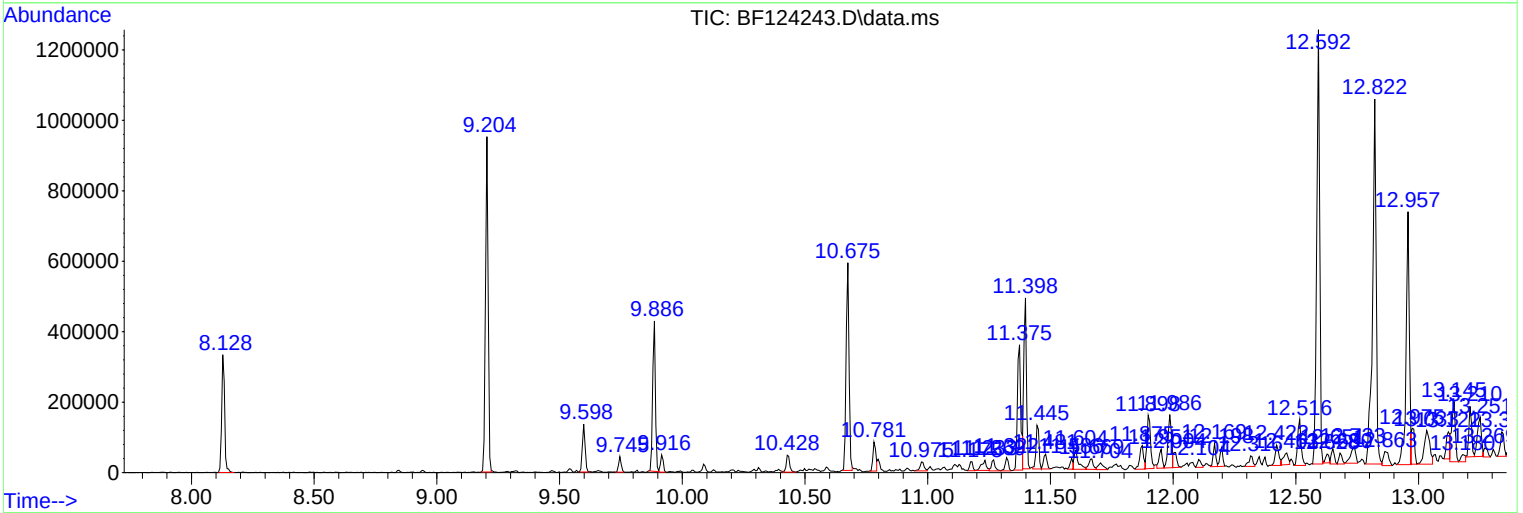
Misc :
ALS Vial : 9 Sample Multiplier: 1

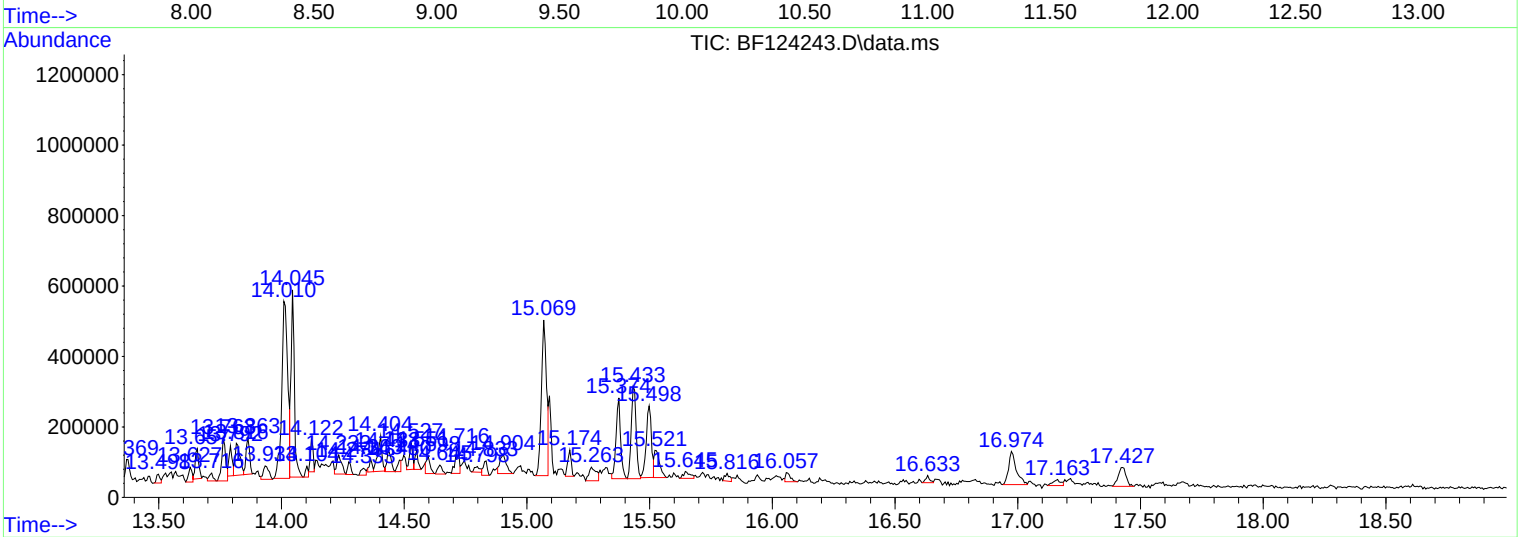
Instrument :
BNA_F
ClientSampleId :
329

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF060321.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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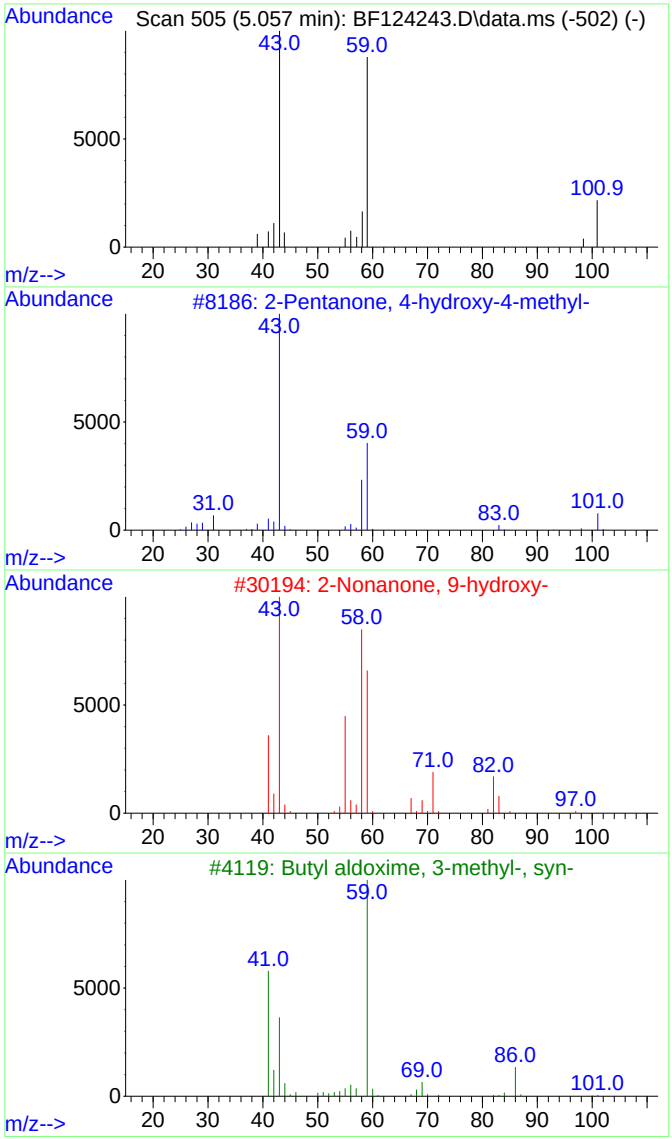
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF060321.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

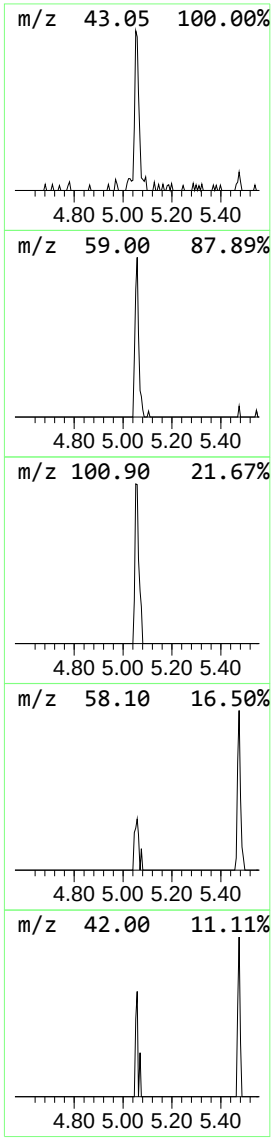
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.057	2.82 ng	30070	1,4-Dichlorobenzene-d4	6.846

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	56
2	2-Nonanone, 9-hydroxy-	158	C9H18O2	025368-56-3	38
3	Butyl aldoxime, 3-methyl-, syn-	101	C5H11NO	005780-40-5	33
4	Morpholine, 4-methyl-	101	C5H11NO	000109-02-4	9
5	2-Propanone, 1-cyclopropyl-	98	C6H10O	004160-75-2	9





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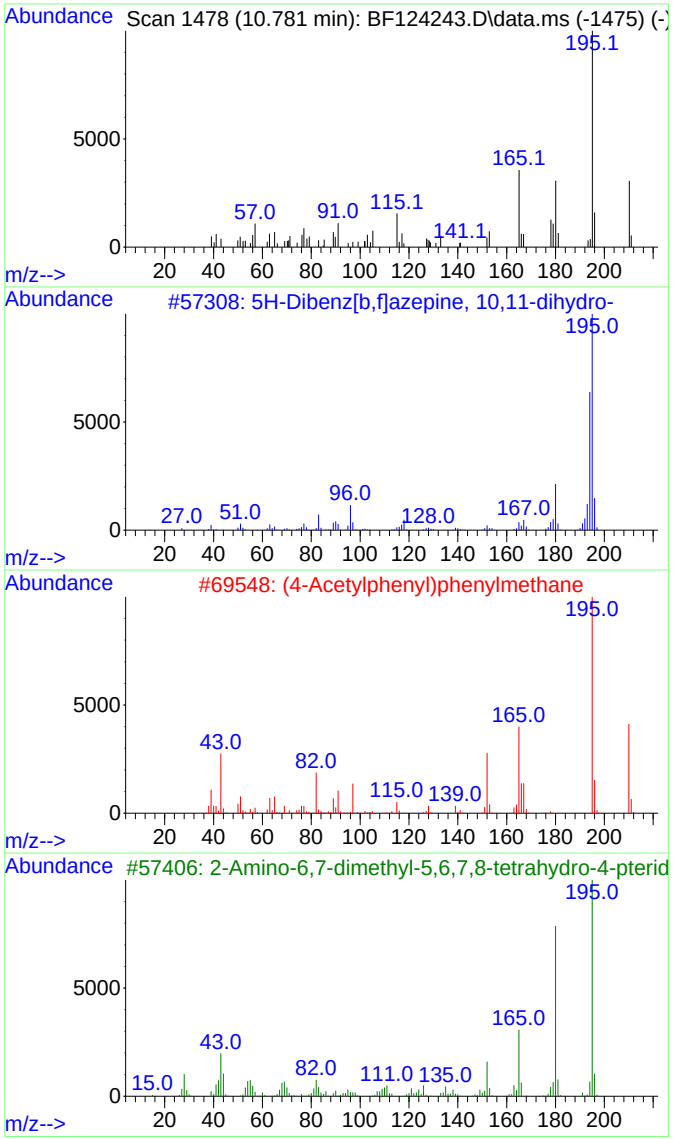
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF060321.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

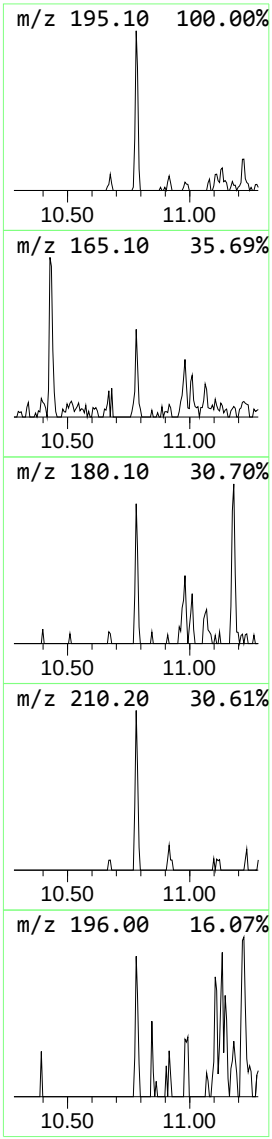
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 2 5H-Dibenz[b,f]azepine, 10,1... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.781	4.18 ng	71589	Phenanthrene-d10	11.375

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5H-Dibenz[b,f]azepine, 10,11-dih...	195	C14H13N	000494-19-9	58
2	(4-Acetylphenyl)phenylmethane	210	C15H14O	000782-92-3	58
3	2-Amino-6,7-dimethyl-5,6,7,8-tet...	195	C8H13N5O	1000239-36-2	53
4	9H-Carbazol-3-amine, 9-ethyl-	210	C14H14N2	000132-32-1	53
5	Carbazole, 2,6-dimethyl-	195	C14H13N	078787-80-1	53





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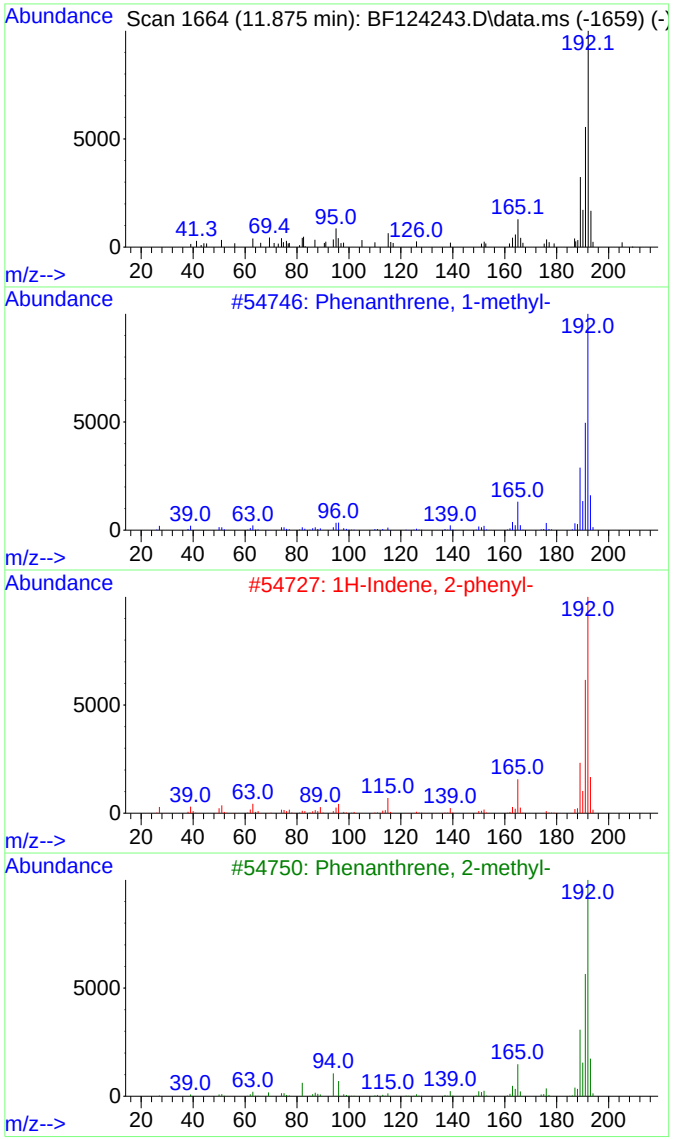
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

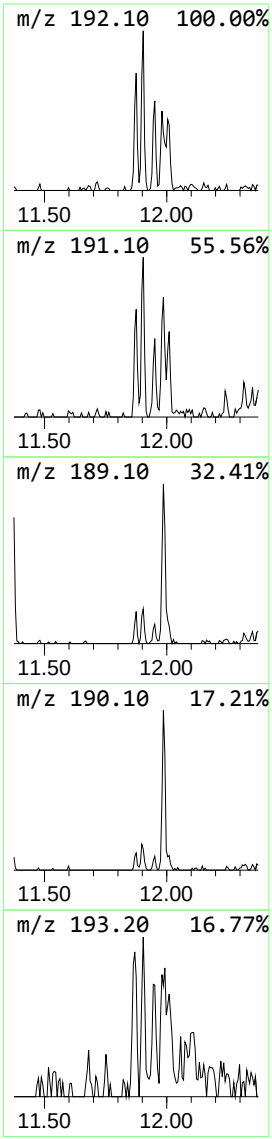
****

Peak Number 3 Phenanthrene, 1-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.875	4.53 ng	77596	Phenanthrene-d10	11.375

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
2	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	95
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	93
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	93





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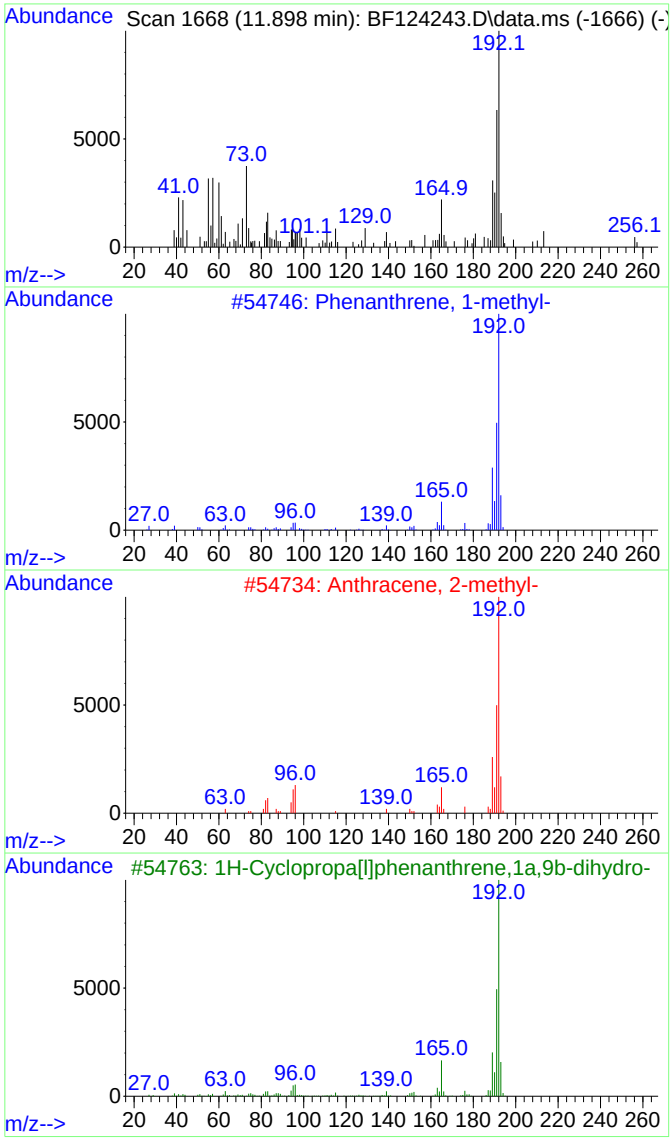
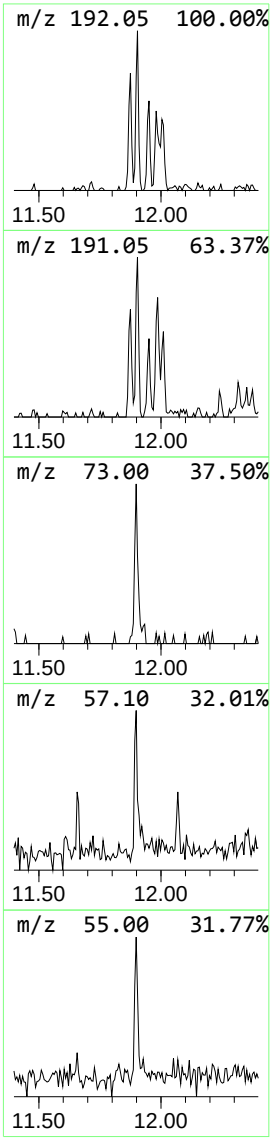
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 4 Anthracene, 2-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.898	8.73 ng	149655	Phenanthrene-d10	11.375

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	86
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	76
3	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	70
4	Naphtho[2,3-b]norbornadiene	192	C15H12	107426-38-0	70
5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	70





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061021\
Data File : BF124243.D
Acq On : 10 Jun 2021 20:55
Operator : JU/CG
Sample : M2644-04
Misc :
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TIC Library : C:\DATABASE\NIST11.L
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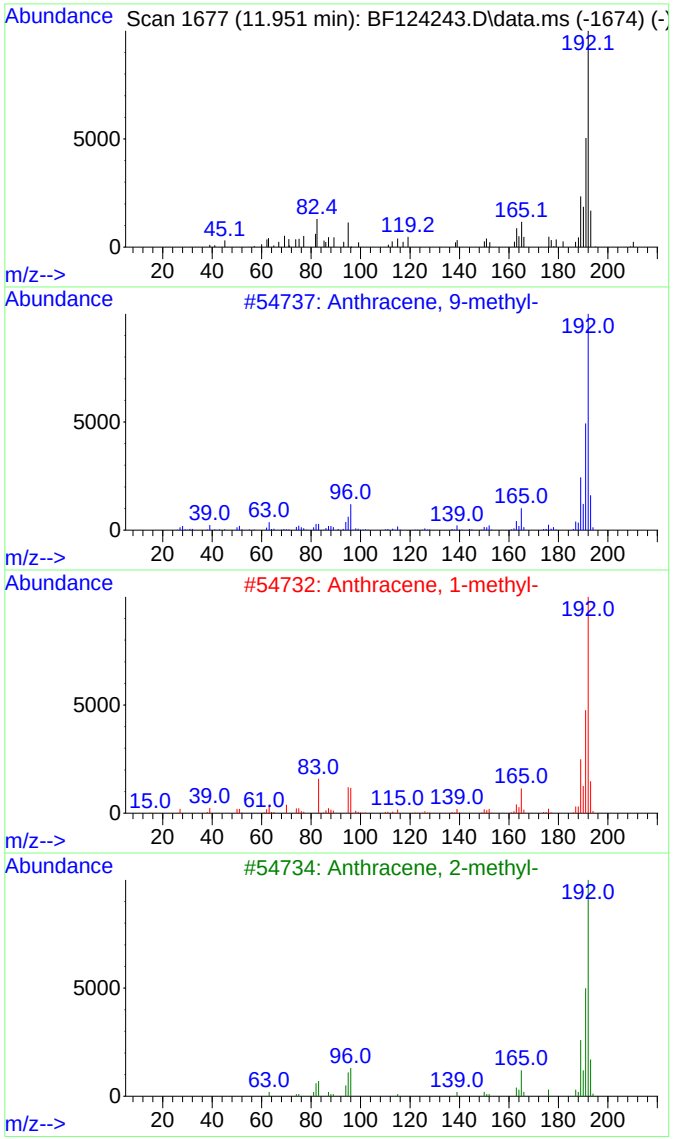
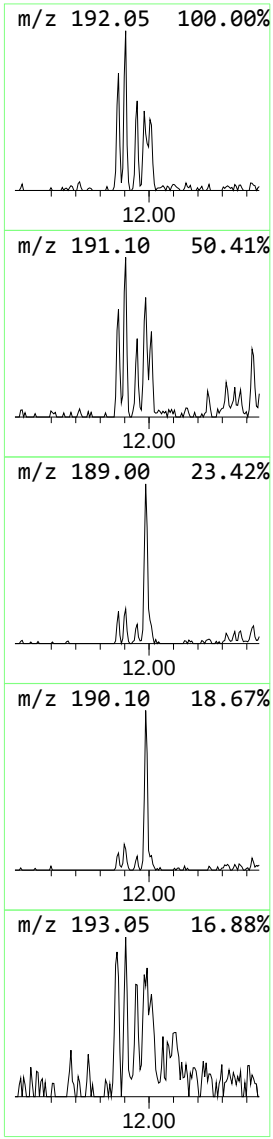
Peak Number 5 Anthracene, 9-methyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.951	2.81 ng	48233	Phenanthrene-d10	11.375

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 9-methyl-	192	C15H12	000779-02-2	81
2	Anthracene, 1-methyl-	192	C15H12	000610-48-0	81
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	76
4	Naphtho[2,3-b]norbornadiene	192	C15H12	107426-38-0	70
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	70





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Operator : JU/CG
Sample : M2644-04
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 329

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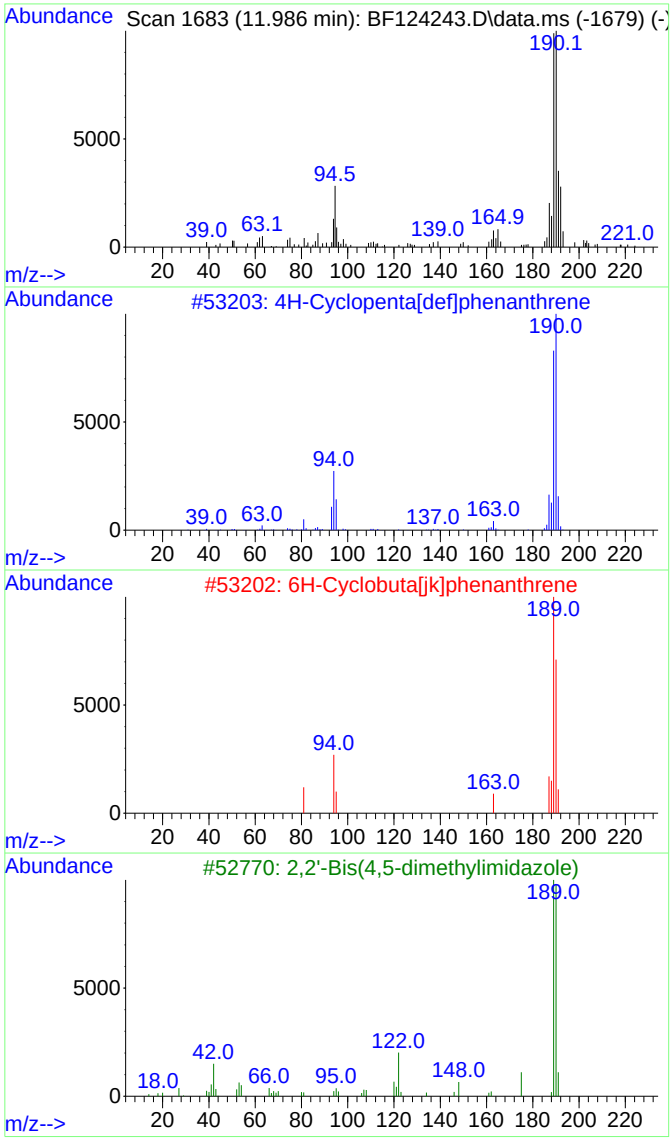
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

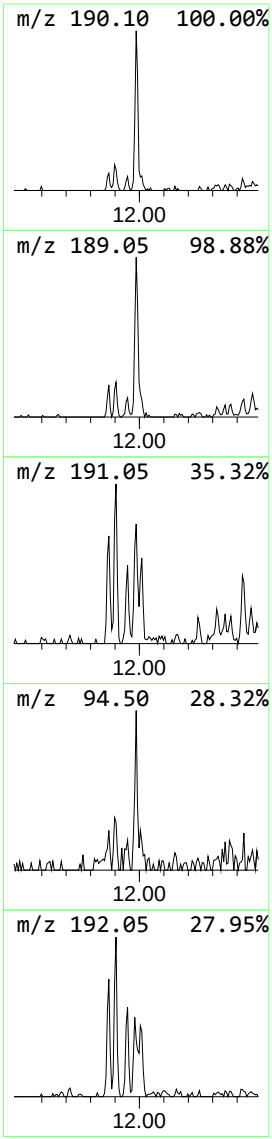
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 6 4H-Cyclopenta[def]phenanthrene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.986	8.91 ng	152696	Phenanthrene-d10	11.375

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	87
2	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	40
3	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	38
4	Cyclohexanone, 2-(2-furanylmethy...	190	C12H14O2	056053-07-7	22
5	Carbonic acid, ethyl 2-formyl-4,...	262	C10H8Cl2O4	1000331-34-4	17





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Sample : M2644-04
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 329

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

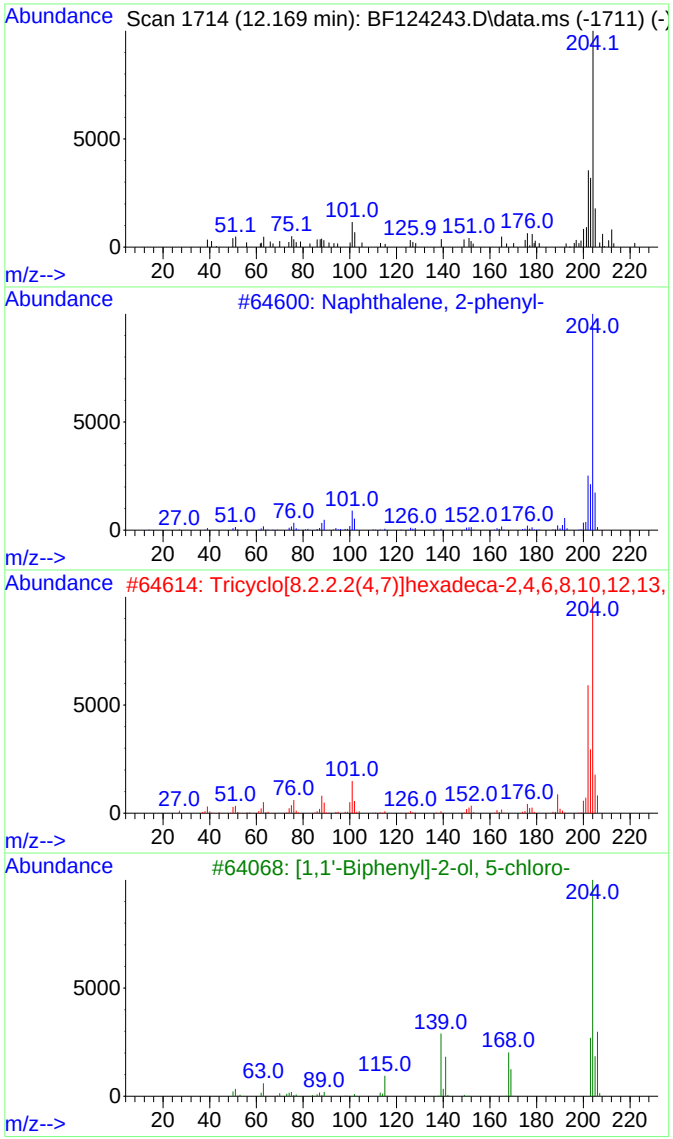
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

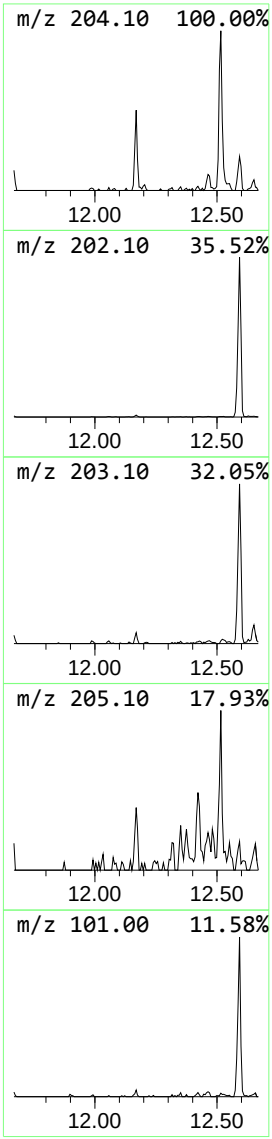
****

Peak Number 7 Naphthalene, 2-phenyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.169	2.77 ng	47415	Phenanthrene-d10	11.375

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	81
2	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	81
3	[1,1'-Biphenyl]-2-ol, 5-chloro-	204	C12H9ClO	000607-12-5	50
4	[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	49
5	[1,1'-Biphenyl]-2,2'-dicarbonitrile	204	C14H8N2	004341-02-0	49





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Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 329

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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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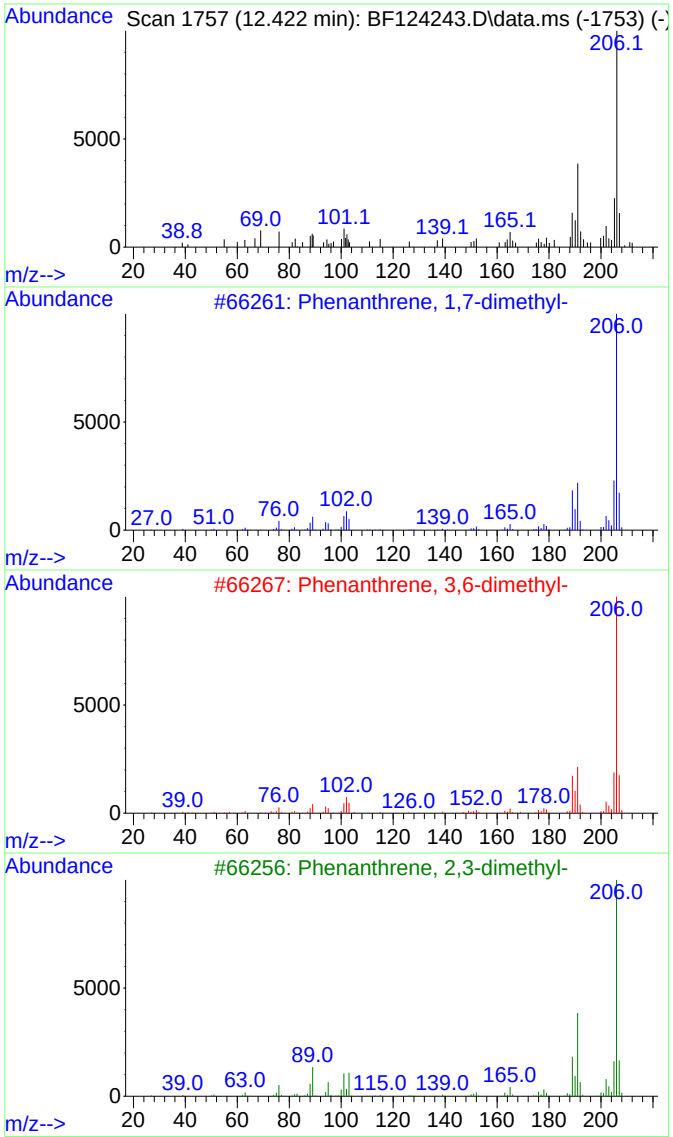
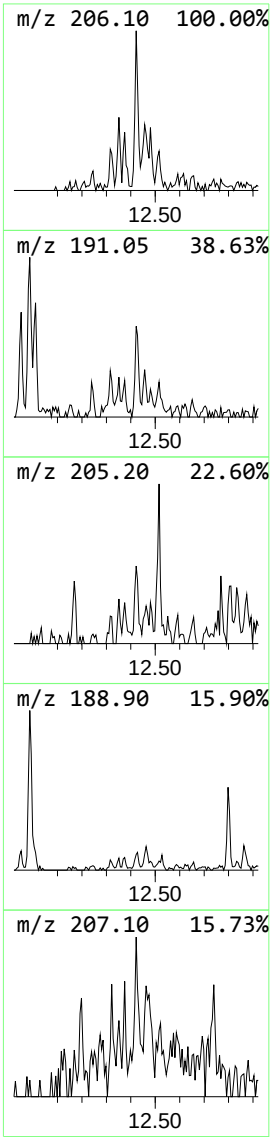
Peak Number 8 Phenanthrene, 1,7-dimethyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.422	3.63 ng	62231	Phenanthrene-d10	11.375

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	96
2	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	94
3	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	93
4	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	93
5	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	90





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Misc :
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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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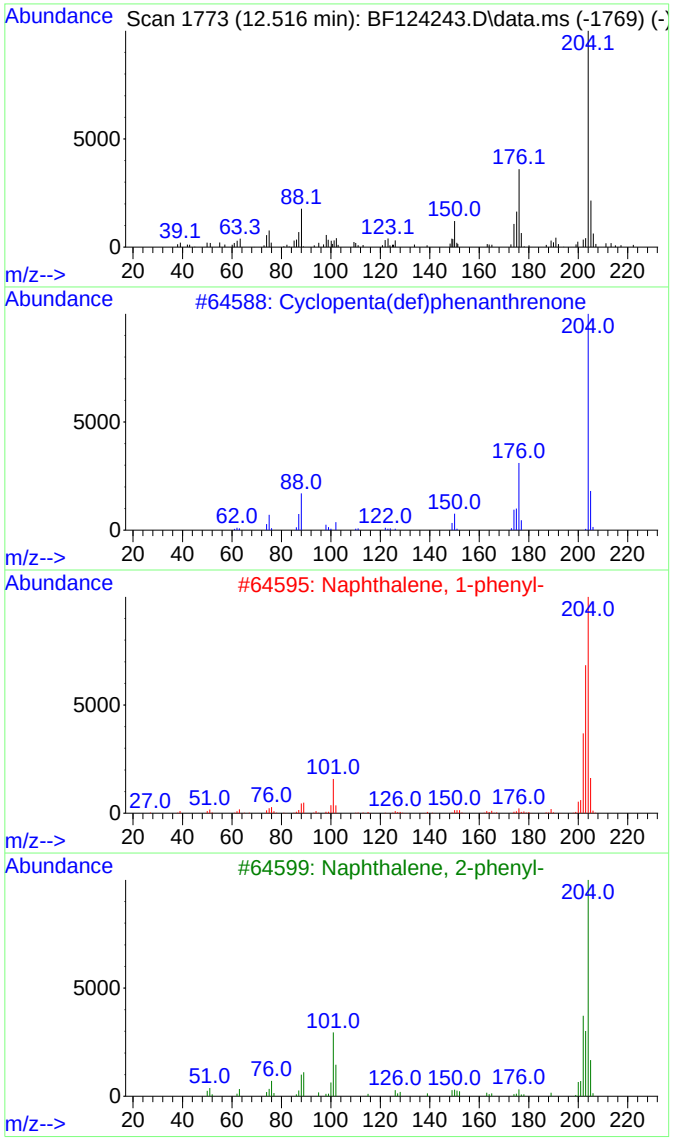
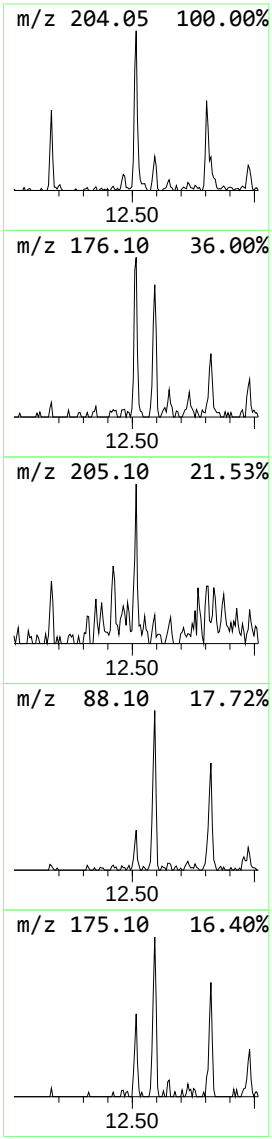
Peak Number 9 Cyclopenta(def)phenanthrenone Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.516	7.60 ng	130278	Phenanthrene-d10	11.375

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	91
2	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	50
3	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	50
4	[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	47
5	9-Acridinecarbonitrile	204	C14H8N2	005326-19-2	45





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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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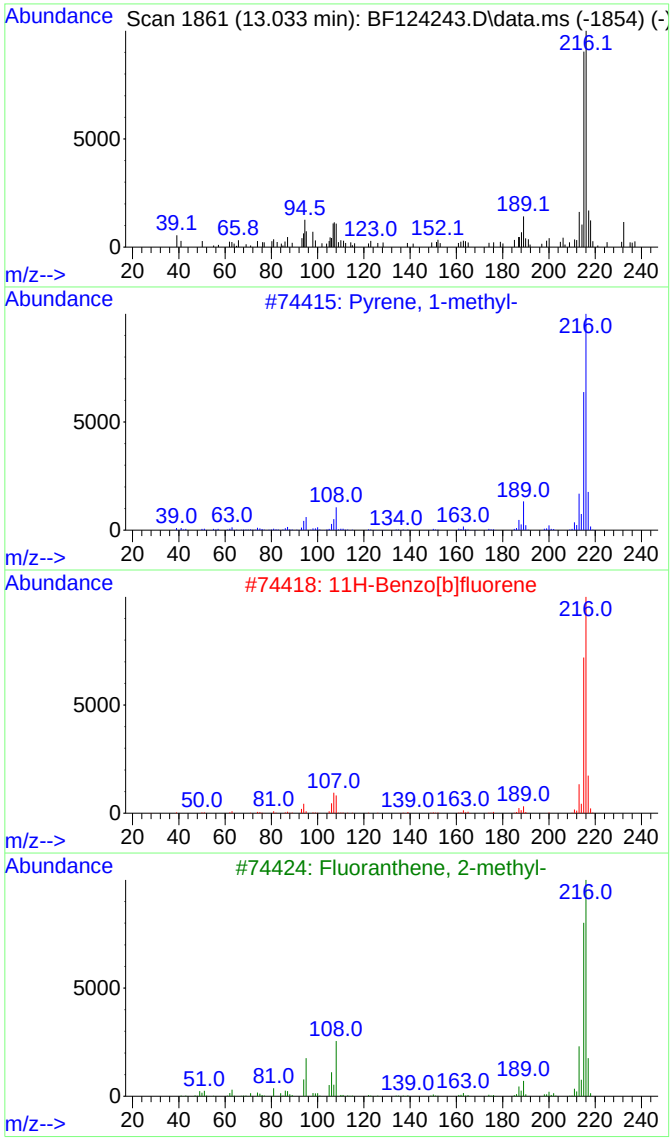
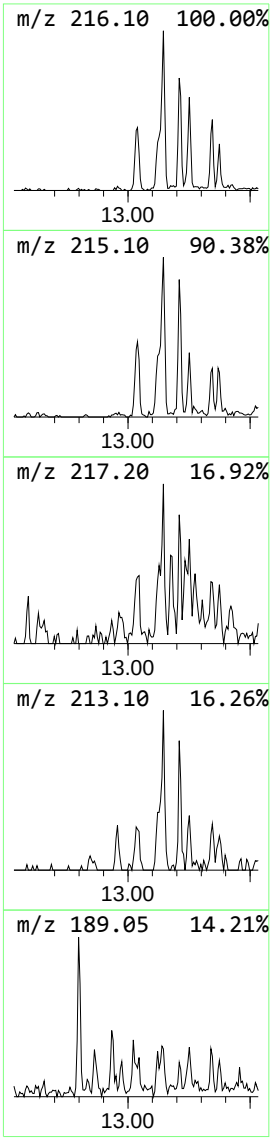
Peak Number 10 Pyrene, 1-methyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.033	3.53 ng	153532	Chrysene-d12	14.022

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	96
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	93
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	81
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	76
5	Pyrene, 2-methyl-	216	C17H12	003442-78-2	76





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Operator : JU/CG
Sample : M2644-04
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 329

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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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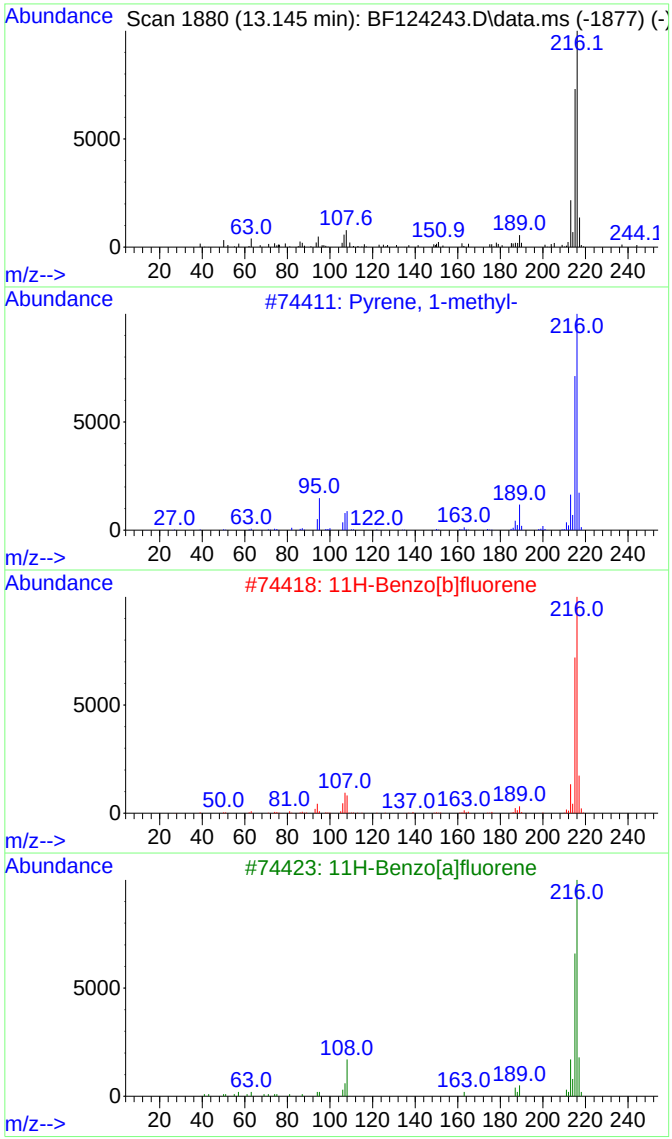
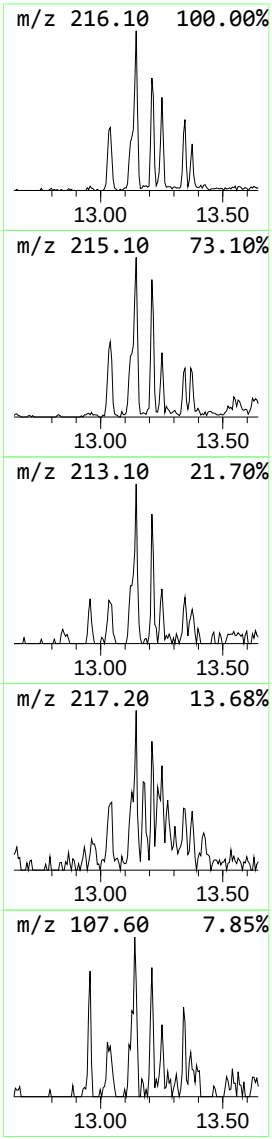
Peak Number 11 11H-Benzo[b]fluorene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.145	3.85 ng	167675	Chrysene-d12	14.022

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	87
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	87
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	83
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	80
5	4-Hydroxy-6-methyl-1-pyridin-3-y...	216	C12H12N2O2	1000318-25-3	72





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Sample : M2644-04
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 329

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

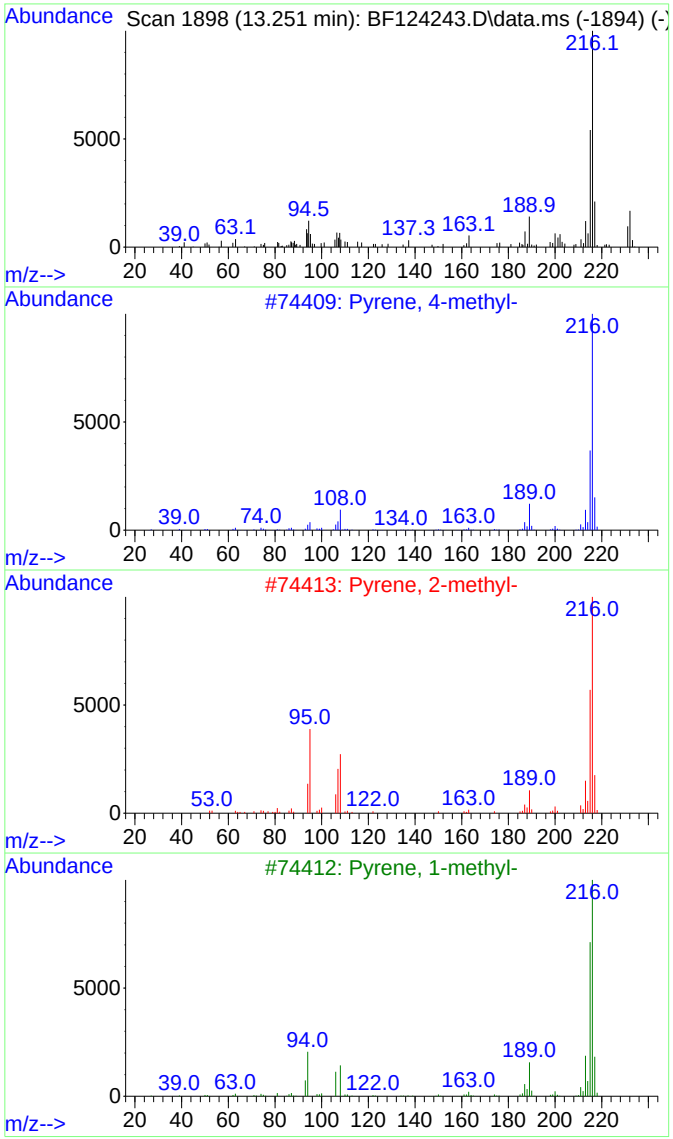
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

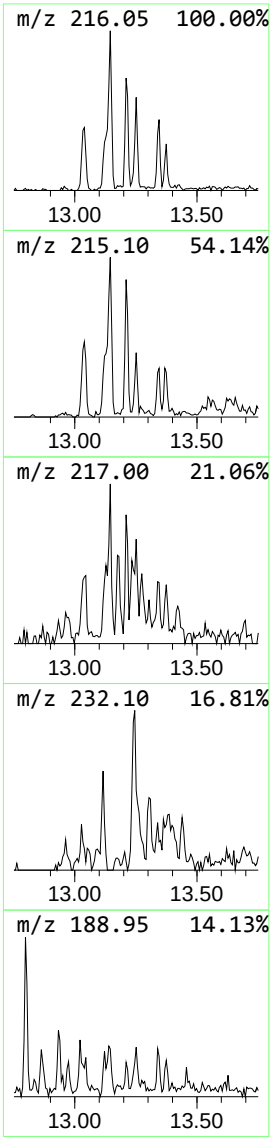
****

Peak Number 12 Pyrene, 4-methyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.251	2.89 ng	125691	Chrysene-d12	14.022

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 4-methyl-	216	C17H12	003353-12-6	91
2	Pyrene, 2-methyl-	216	C17H12	003442-78-2	90
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	90
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	83
5	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	72





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Sample : M2644-04
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 329

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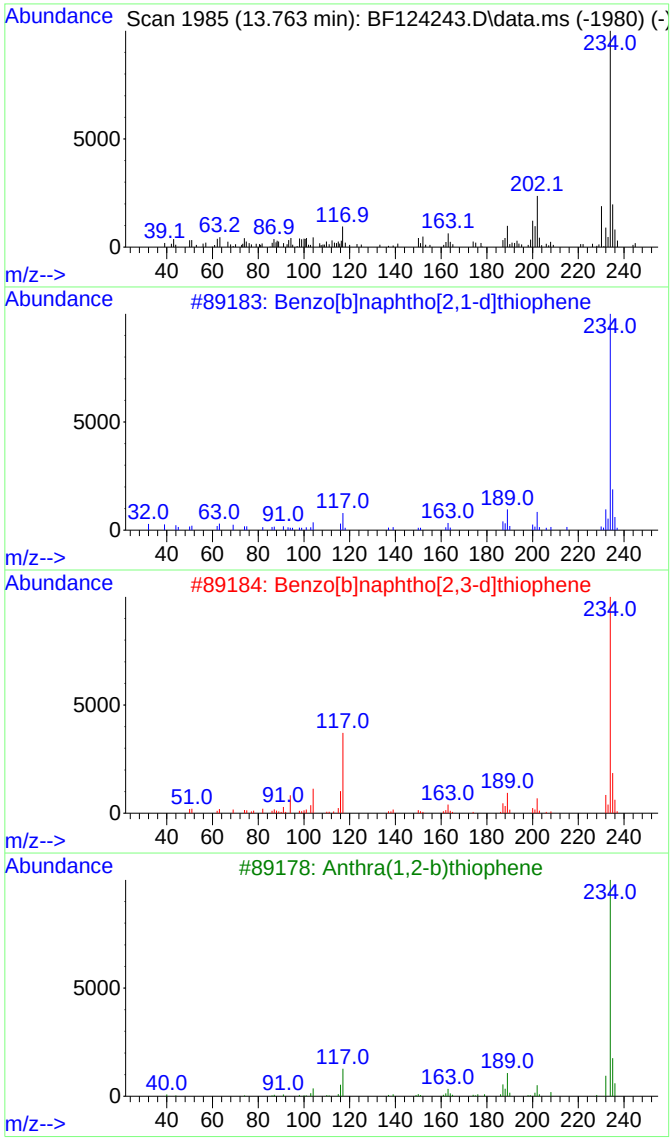
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

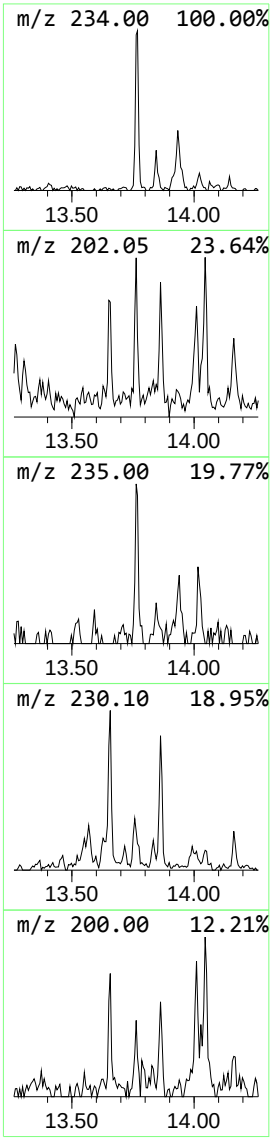
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 13 Benzo[b]naphtho[2,1-d]thiop... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.763	3.23 ng	140671	Chrysene-d12	14.022

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	94
2	Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	76
3	Anthra(1,2-b)thiophene	234	C16H10S	000227-86-1	64
4	Anthra(2,3-b)thiophene	234	C16H10S	022108-55-0	62
5	Phenanthro[4,3-b]thiophene	234	C16H10S	000195-68-6	58





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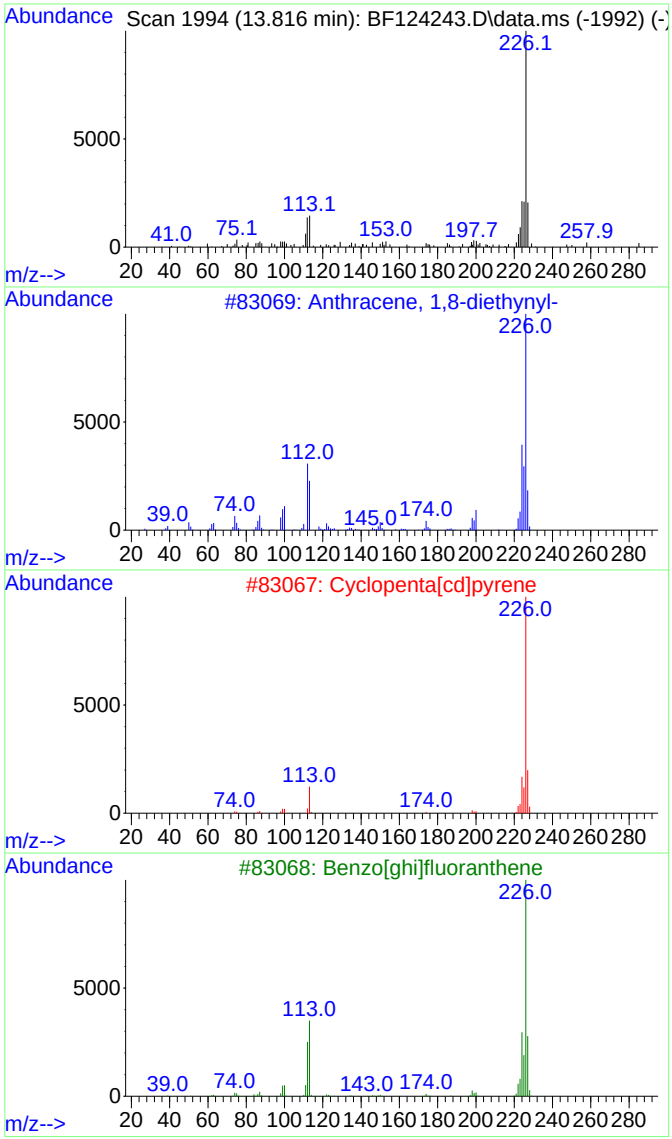
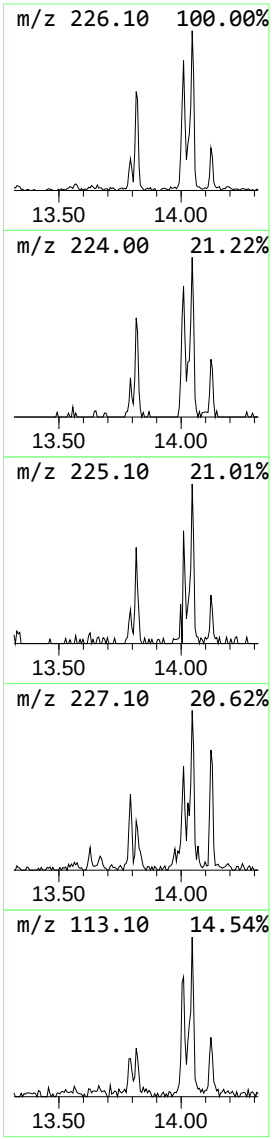
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 14 Anthracene, 1,8-diethynyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.816	2.93 ng	127544	Chrysene-d12	14.022

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 1,8-diethynyl-	226	C18H10	078053-58-4	74
2	Cyclopenta[cd]pyrene	226	C18H10	027208-37-3	64
3	Benzo[ghi]fluoranthene	226	C18H10	000203-12-3	64
4	Benzene, [4-(3-ethynylphenyl)-1,...	226	C18H10	1000115-87-3	60
5	1,3-Diamino-5,6-dihydro-7-methyl...	226	C13H14N4	037436-37-6	53





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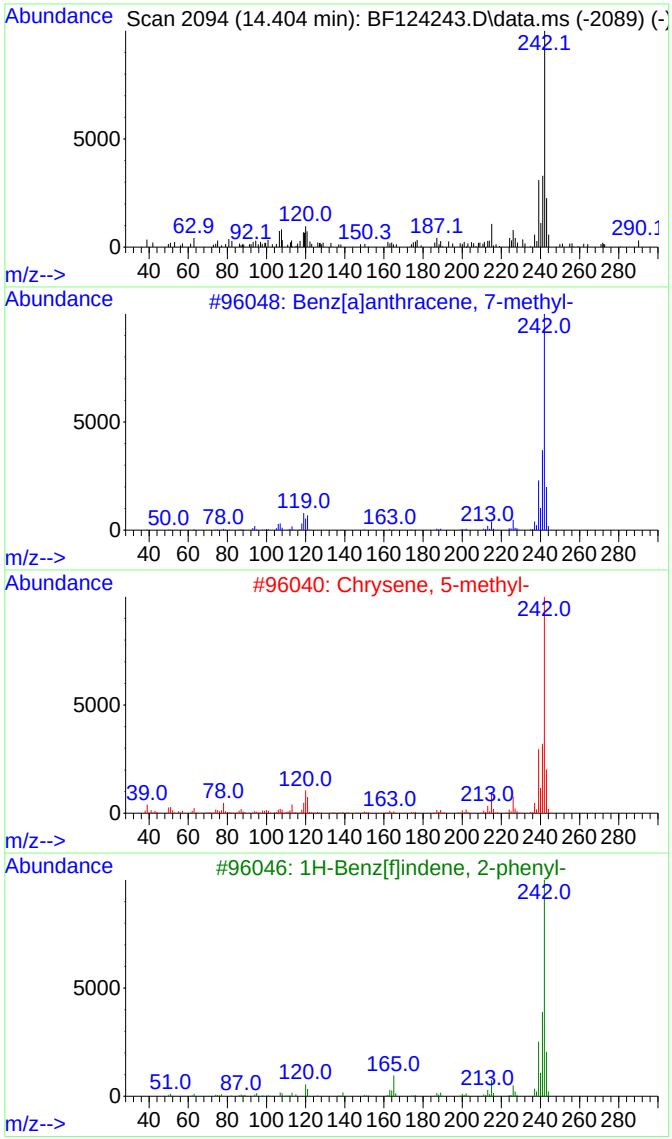
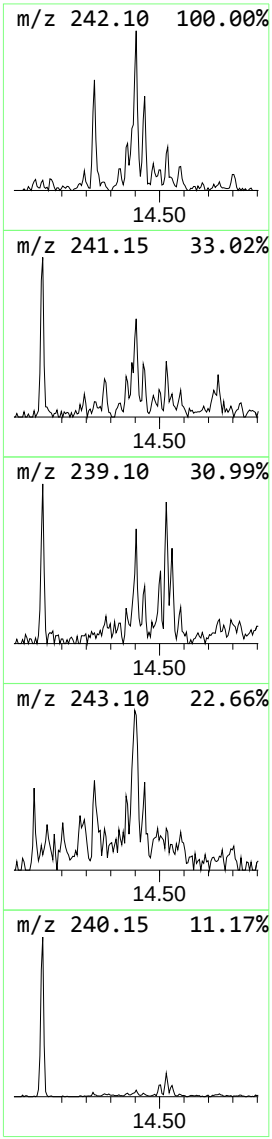
****
Peak Number 15 Benz[a]anthracene, 7-methyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.404	2.77 ng	120505	Chrysene-d12	14.022

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benz[a]anthracene, 7-methyl-	242	C19H14	002541-69-7	94
2	Chrysene, 5-methyl-	242	C19H14	003697-24-3	90
3	1H-Benz[f]indene, 2-phenyl-	242	C19H14	1000305-22-4	90
4	9H-Tribenzo[a,c,e)cycloheptene	242	C19H14	000213-10-5	86
5	Triphenylene, 2-methyl-	242	C19H14	001705-84-6	83





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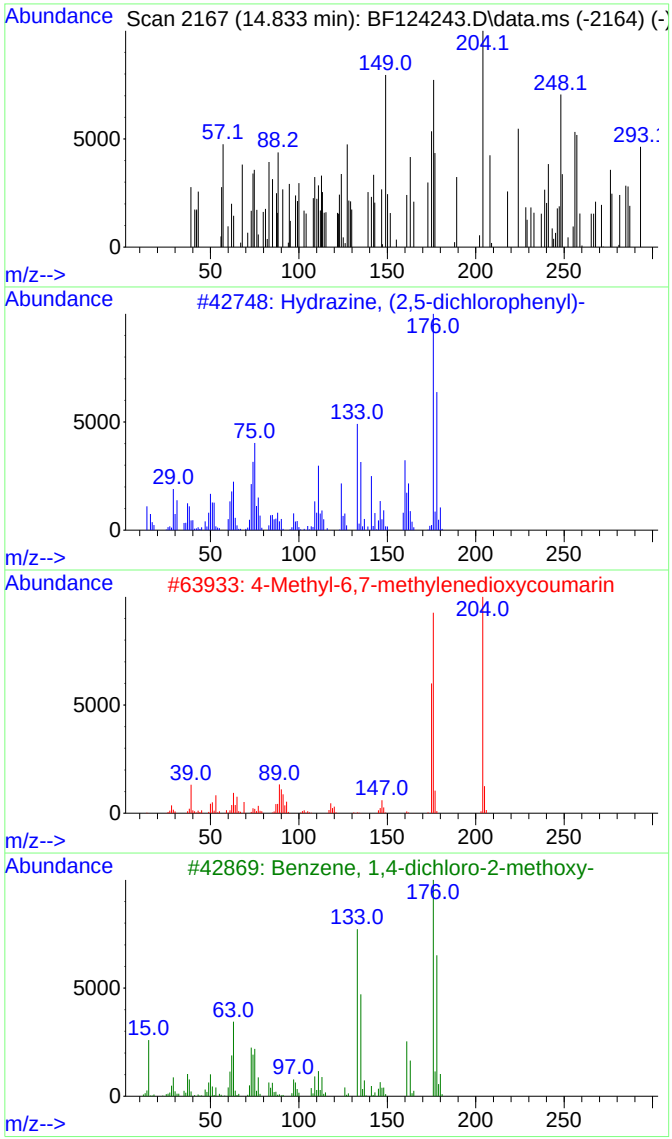
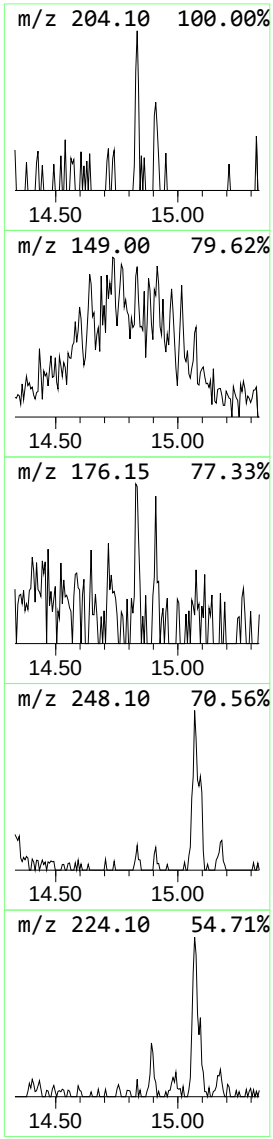
Peak Number 16 unknown14.833 Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.833	2.71 ng	41317	Perylene-d12	15.498

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hydrazine, (2,5-dichlorophenyl)-	176	C6H6Cl2N2	000305-15-7	18
2	4-Methyl-6,7-methylenedioxycoumarin	204	C11H8O4	015071-04-2	18
3	Benzene, 1,4-dichloro-2-methoxy-	176	C7H6Cl2O	001984-58-3	14
4	1,3,4-Oxadiazole-2-acetic acid, ...	248	C11H8N2O5	1000338-39-3	14
5	3,5-Dimethyl-1,4-diallylpyrazole	176	C11H16N2	024475-47-6	14





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Data File : BF124243.D
Acq On : 10 Jun 2021 20:55
Operator : JU/CG
Sample : M2644-04
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
329

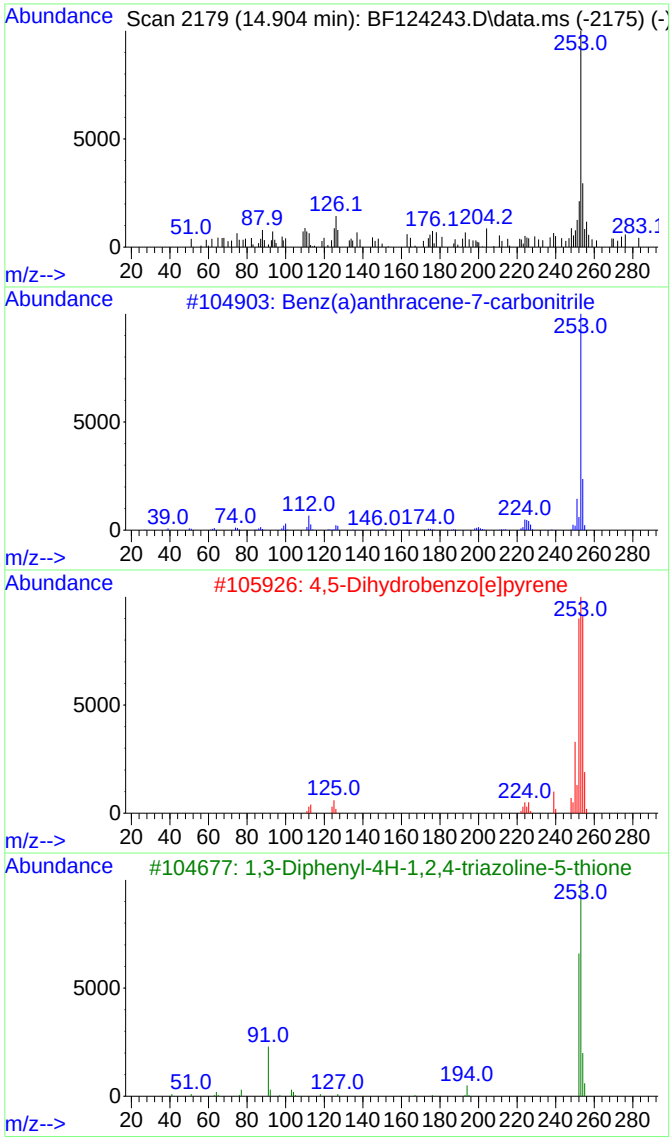
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF060321.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

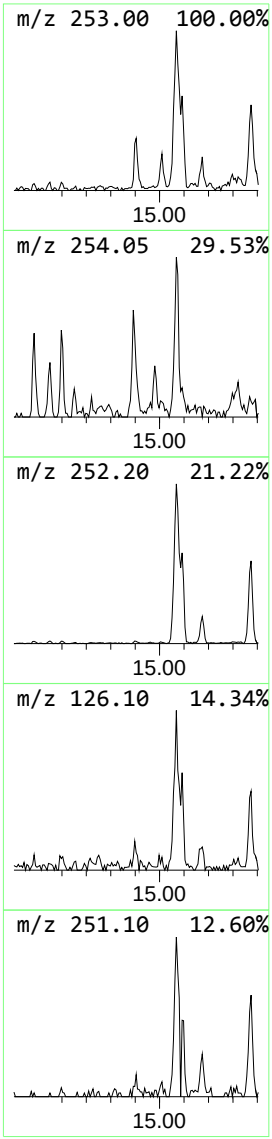
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 17 Benz(a)anthracene-7-carboni... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.904	6.23 ng	94821	Perylene-d12	15.498

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benz(a)anthracene-7-carbonitrile	253	C19H11N	007476-08-6	64
2	4,5-Dihydrobenzo[e]pyrene	254	C20H14	095676-42-9	38
3	1,3-Diphenyl-4H-1,2,4-triazoline...	253	C14H11N3S	005055-73-2	38
4	2(3H)-Oxazolethione, 4,5-diphenyl-	253	C15H11NOS	006670-13-9	37
5	1'-Acetylferrocenecarbonitrile	253	C13H11FeNO	012276-85-6	37





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Data File : BF124243.D
Acq On : 10 Jun 2021 20:55
Operator : JU/CG
Sample : M2644-04
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 329

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

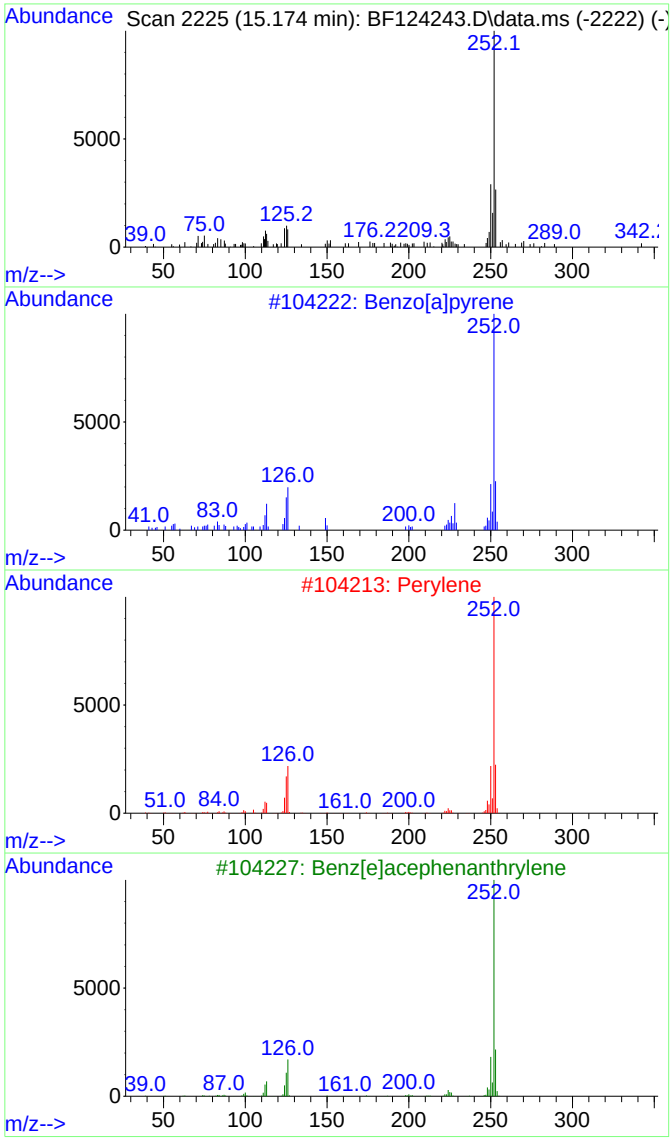
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

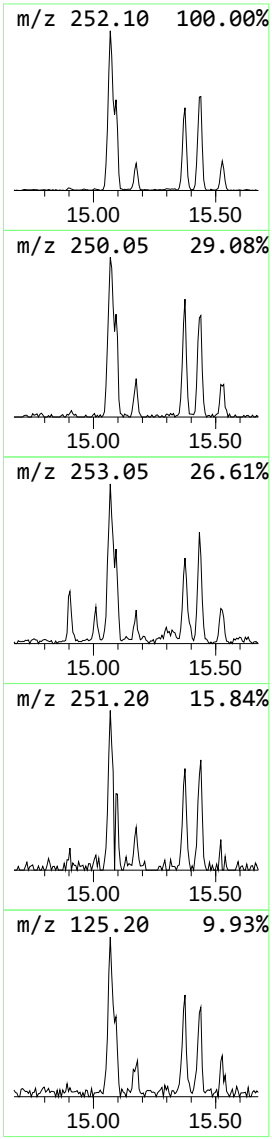
****

Peak Number 18 Perylene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.174	4.74 ng	72151	Perylene-d12	15.498

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[a]pyrene	252	C20H12	000050-32-8	90
2	Perylene	252	C20H12	000198-55-0	76
3	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	76
4	Benzo[k]fluoranthene	252	C20H12	000207-08-9	76
5	Benzo[e]pyrene	252	C20H12	000192-97-2	76





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Acq On : 10 Jun 2021 20:55
Operator : JU/CG
Sample : M2644-04
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 329

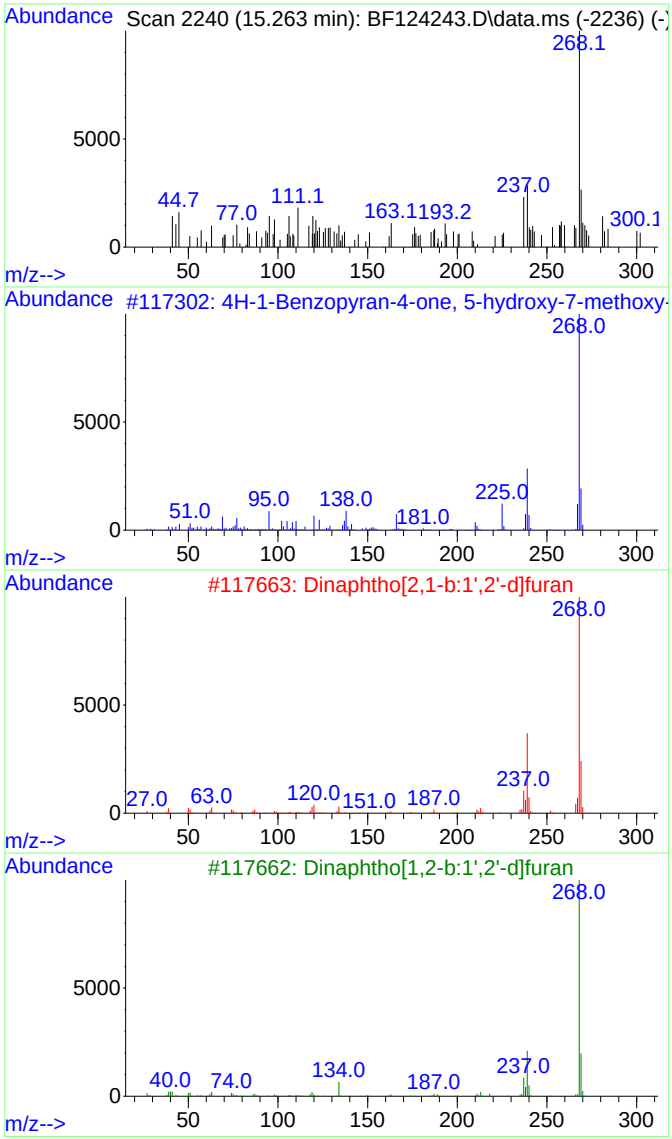
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF060321.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

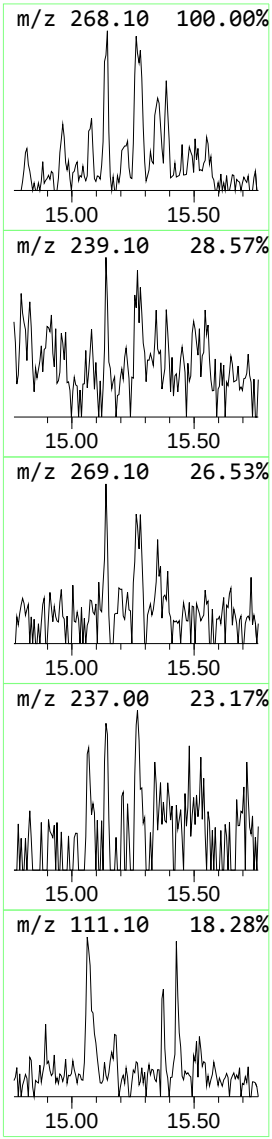
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 19 4H-1-Benzopyran-4-one, 5-hy... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.263	5.38 ng	81940	Perylene-d12	15.498

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-1-Benzopyran-4-one, 5-hydroxy...	268	C16H12O4	000520-28-5	53
2	Dinaphtho[2,1-b:1',2'-d]furan	268	C20H12O	000194-63-8	52
3	Dinaphtho[1,2-b:1',2'-d]furan	268	C20H12O	000207-93-2	52
4	Benzo(a)pyrene 4,5-oxide	268	C20H12O	037574-47-3	49
5	3-Methylcholanthrene	268	C21H16	000056-49-5	43





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Data File : BF124243.D
Acq On : 10 Jun 2021 20:55
Operator : JU/CG
Sample : M2644-04
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
329

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF060321.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

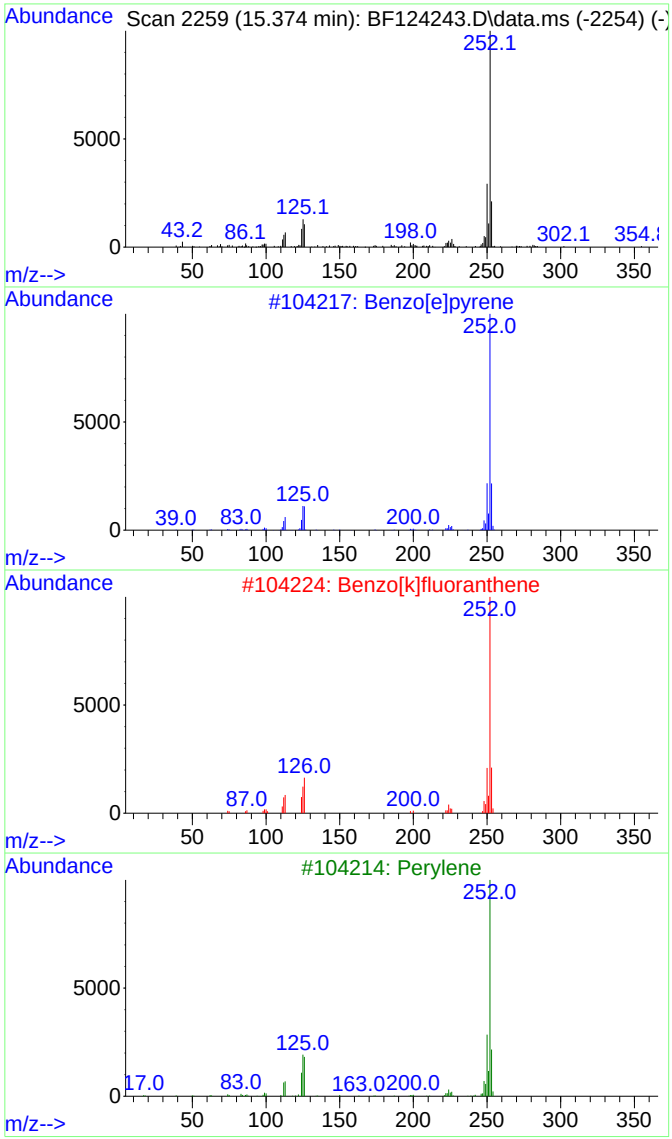
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

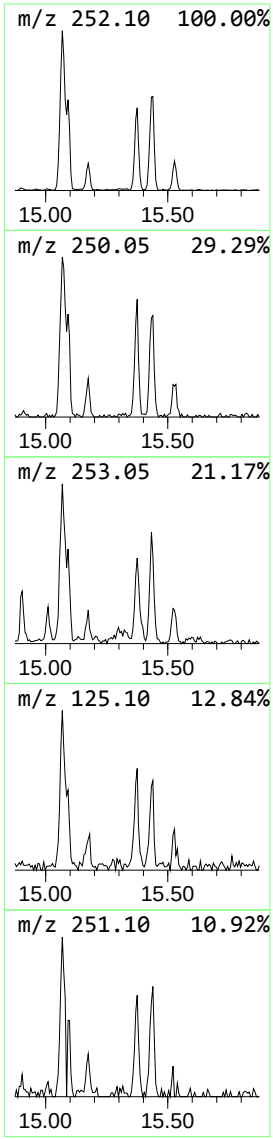
****

Peak Number 20 Benzo[e]pyrene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.374	19.76 ng	300674	Perylene-d12	15.498

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	93
2	Benzo[k]fluoranthene	252	C20H12	000207-08-9	93
3	Perylene	252	C20H12	000198-55-0	90
4	Benzo[a]pyrene	252	C20H12	000050-32-8	90
5	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	89





Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061021\
Data File : BF124243.D
Acq On : 10 Jun 2021 20:55
Operator : JU/CG
Sample : M2644-04
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 329

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF060321.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
2-Pentanone, 4-...	5.057	2.8	ng	30070	1	6.846	212935	20.0
5H-Dibenz[b,f]a...	10.781	4.2	ng	71589	4	11.375	342707	20.0
Phenanthrene, 1...	11.875	4.5	ng	77596	4	11.375	342707	20.0
Anthracene, 2-m...	11.898	8.7	ng	149655	4	11.375	342707	20.0
Anthracene, 9-m...	11.951	2.8	ng	48233	4	11.375	342707	20.0
4H-Cyclopenta[d...	11.986	8.9	ng	152696	4	11.375	342707	20.0
Naphthalene, 2-...	12.169	2.8	ng	47415	4	11.375	342707	20.0
Phenanthrene, 1...	12.422	3.6	ng	62231	4	11.375	342707	20.0
Cyclopenta(def)...	12.516	7.6	ng	130278	4	11.375	342707	20.0
Pyrene, 1-methyl-	13.033	3.5	ng	153532	5	14.022	869939	20.0
11H-Benzo[b]flu...	13.145	3.9	ng	167675	5	14.022	869939	20.0
Pyrene, 4-methyl-	13.251	2.9	ng	125691	5	14.022	869939	20.0
Benzo[b]naphtho...	13.763	3.2	ng	140671	5	14.022	869939	20.0
Anthracene, 1,8...	13.816	2.9	ng	127544	5	14.022	869939	20.0
Benz[a]anthrace...	14.404	2.8	ng	120505	5	14.022	869939	20.0
unknown14.833	14.833	2.7	ng	41317	6	15.498	304389	20.0
Benz(a)anthrace...	14.904	6.2	ng	94821	6	15.498	304389	20.0
Perylene	15.174	4.7	ng	72151	6	15.498	304389	20.0
4H-1-Benzopyran...	15.263	5.4	ng	81940	6	15.498	304389	20.0
Benzo[e]pyrene	15.374	19.8	ng	300674	6	15.498	304389	20.0