LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF042922\
Data File : BF128001.D
Acq On : 29 Apr 2022 18:13
Operator : CG\JU
Sample : N2609-10
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
WC-4

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-BF042222.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF128001.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.545	549	554	557	rBV	2660129	2491991	83.27%	7.513%
2	6.545	719	724	727	rBV	2429674	2605162	87.05%	7.854%
3	6.922	784	788	791	rBV	890438	693449	23.17%	2.091%
4	7.486	875	884	887	rBV	1911358	1767718	59.07%	5.329%
5	8.204	1002	1006	1009	rBV	1033862	874428	29.22%	2.636%
6	9.280	1184	1189	1192	rBV	3469147	2992559	100.00%	9.022%
7	9.351	1198	1201	1204	rVB	50128	38359	1.28%	0.116%
8	9.622	1243	1247	1249	rBV	39180	38889	1.30%	0.117%
9	9.822	1278	1281	1285	rBV	126697	120002	4.01%	0.362%
10	9.963	1299	1305	1309	rBV	1156285	984512	32.90%	2.968%
11	10.163	1334	1339	1343	rBV2	40346	45311	1.51%	0.137%
12	10.204	1343	1346	1349	rVB	47579	39110	1.31%	0.118%
13	10.274	1354	1358	1361	rBV2	39152	44673	1.49%	0.135%
14	10.363	1369	1373	1375	rBV3	29592	42604	1.42%	0.128%
15	10.510	1395	1398	1404	rVB3	37451	54475	1.82%	0.164%
16	10.669	1420	1425	1428	rBV2	37227	39323	1.31%	0.119%
17	10.757	1435	1440	1443	rBV	1782501	1695831	56.67%	5.113%
18	11.063	1487	1492	1494	rBV2	39670	45070	1.51%	0.136%
19	11.186	1509	1513	1515	rBV3	33633	37456	1.25%	0.113%
20	11.210	1515	1517	1522	rVB4	35119	37642	1.26%	0.113%
21	11.304	1529	1533	1536	rVV2	40524	46638	1.56%	0.141%
22	11.351	1536	1541	1545	rVB	57834	71287	2.38%	0.215%
23	11.457	1555	1559	1561	rBV	981156	900255	30.08%	2.714%
24	11.480	1561	1563	1566	rVV	861019	646702	21.61%	1.950%
25	11.527	1568	1571	1574	rBV	184236	162013	5.41%	0.488%
26	11.686	1595	1598	1604	rBV3	22428	43651	1.46%	0.132%
27	11.751	1607	1609	1612	rVV	57333	42429	1.42%	0.128%
28	11.786	1612	1615	1619	rVB	65658	60672	2.03%	0.183%
29	11.833	1619	1623	1626	rBV	84780	86858	2.90%	0.262%
30	11.957	1638	1644	1647	rBV	228414	267469	8.94%	0.806%
31	11.986	1647	1649	1652	rVB	297358	230824	7.71%	0.696%
32	12.033	1654	1657	1660	rBV	70236	59656	1.99%	0.180%
33	12.068	1660	1663	1665	rVV2	272267	284270	9.50%	0.857%
34	12.092	1665	1667	1670	rVB	178586	133998	4.48%	0.404%
35	12.139	1672	1675	1678	rBV2	40983	43675	1.46%	0.132%
36	12.251	1691	1694	1697	rBV	142964	126174	4.22%	0.380%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF042922\
Data File : BF128001.D
Acq On : 29 Apr 2022 18:13
Operator : CG\JU
Sample : N2609-10
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : WC-4

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-BF042222.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	12.280	1697	1699	1702	rVB2	58332	48204	1.61%	0.145%
38	12.433	1722	1725	1727	rBV	58052	47198	1.58%	0.142%
39	12.457	1727	1729	1731	rVB	52388	40272	1.35%	0.121%
40	12.504	1731	1737	1740	rBV	151331	176869	5.91%	0.533%
41	12.545	1740	1744	1746	rVV3	77015	105290	3.52%	0.317%
42	12.592	1749	1752	1757	rBV	147329	159654	5.34%	0.481%
43	12.674	1762	1766	1769	rBV	1740176	1477958	49.39%	4.456%
44	12.763	1779	1781	1784	rVB	69121	61923	2.07%	0.187%
45	12.827	1789	1792	1794	rBV	51300	46100	1.54%	0.139%
46	12.904	1802	1805	1808	rVB	1463104	1248325	41.71%	3.764%
47	12.945	1808	1812	1822	rVB3	173421	308568	10.31%	0.930%
48	13.045	1825	1829	1832	rVB	2324648	2083472	69.62%	6.281%
49	13.115	1837	1841	1846	rBV2	131531	214443	7.17%	0.647%
50	13.204	1853	1856	1858	rBV3	111679	141837	4.74%	0.428%
51	13.227	1858	1860	1863	rVB	179987	156166	5.22%	0.471%
52	13.274	1863	1868	1869	rBV4	22969	33597	1.12%	0.101%
53	13.292	1869	1871	1874	rVB	70255	59601	1.99%	0.180%
54	13.333	1874	1878	1881	rBV2	198175	196155	6.55%	0.591%
55	13.427	1891	1894	1896	rBV	132641	97305	3.25%	0.293%
56	13.457	1896	1899	1902	rBV	126993	106628	3.56%	0.321%
57	13.515	1906	1909	1912	rBV	128808	104011	3.48%	0.314%
58	13.604	1921	1924	1926	rBV3	34300	43671	1.46%	0.132%
59	13.733	1943	1946	1951	rVB	184059	188739	6.31%	0.569%
60	13.851	1961	1966	1968	rBV2	159071	202844	6.78%	0.612%
61	13.880	1968	1971	1973	rVV	142979	133468	4.46%	0.402%
62	13.904	1973	1975	1979	rVV2	144280	170684	5.70%	0.515%
63	13.945	1979	1982	1986	rVB2	171374	174453	5.83%	0.526%
64	14.021	1992	1995	2000	rBV2	51092	84477	2.82%	0.255%
65	14.098	2001	2008	2011	rVV2	1068752	1590109	53.14%	4.794%
66	14.127	2011	2013	2019	rVB	813492	748822	25.02%	2.258%
67	14.186	2021	2023	2025	rBV	35876	37466	1.25%	0.113%
68	14.210	2025	2027	2029	rVB	56779	36050	1.20%	0.109%
69	14.245	2031	2033	2038	rBV2	72603	87042	2.91%	0.262%
70	14.315	2043	2045	2046	rBV	40773	33227	1.11%	0.100%
71	14.357	2050	2052	2054	rBV2	56896	44219	1.48%	0.133%
72	14.451	2065	2068	2070	rBV	48524	47683	1.59%	0.144%
73	14.486	2070	2074	2077	rVB	187969	191615	6.40%	0.578%
74	14.521	2077	2080	2083	rVB	108863	97963	3.27%	0.295%
75	14.557	2084	2086	2088	rBV2	47512	48813	1.63%	0.147%
76	14.615	2093	2096	2098	rBV	95719	91241	3.05%	0.275%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF042922\
Data File : BF128001.D
Acq On : 29 Apr 2022 18:13
Operator : CG\JU
Sample : N2609-10
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
WC-4

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-BF042222.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

77	14.998	2156	2161	2163	rBV3	45784	75971	2.54%	0.229%
78	15.068	2170	2173	2177	rVB3	44108	46583	1.56%	0.140%
79	15.162	2184	2189	2193	rBV2	671249	1163228	38.87%	3.507%
80	15.221	2197	2199	2205	rVB2	83531	114818	3.84%	0.346%
81	15.274	2205	2208	2212	rBV	134476	142422	4.76%	0.429%
82	15.480	2239	2243	2249	rVB	405975	512842	17.14%	1.546%
83	15.545	2249	2254	2260	rBV	564144	729180	24.37%	2.198%
84	15.609	2260	2265	2269	rBV	494738	705378	23.57%	2.127%
85	16.074	2341	2344	2348	rVB2	57877	72168	2.41%	0.218%
86	17.145	2520	2526	2534	rVB2	216403	442221	14.78%	1.333%
87	17.609	2599	2605	2614	rVB	150401	302601	10.11%	0.912%

Sum of corrected areas: 33168709

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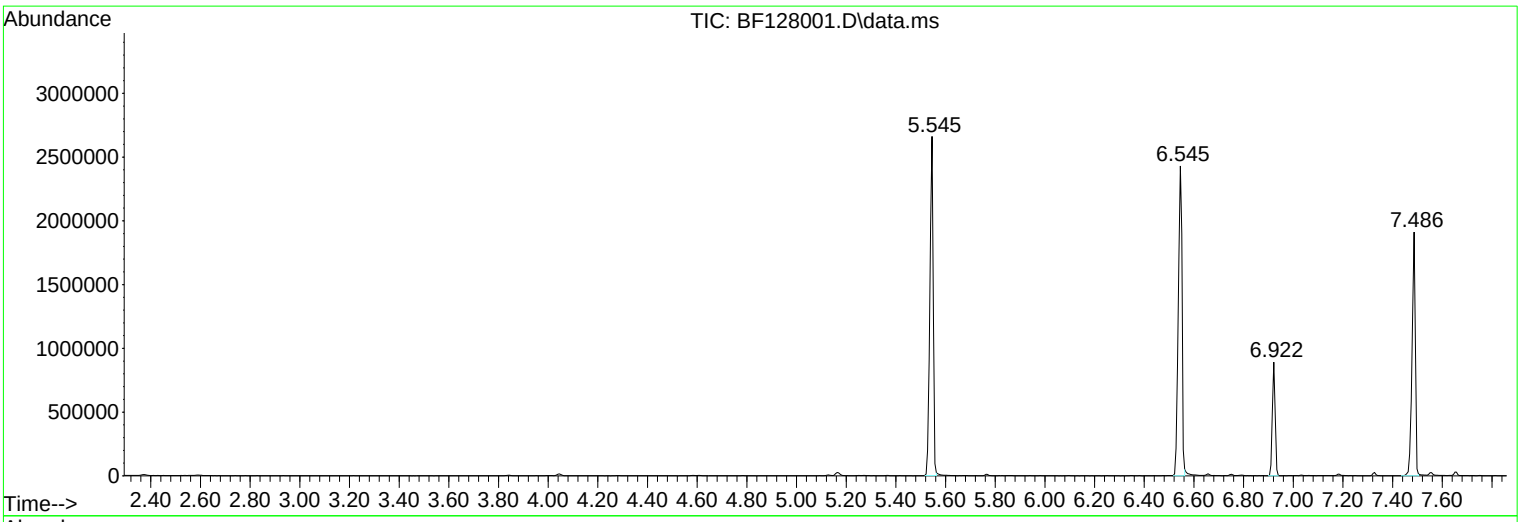
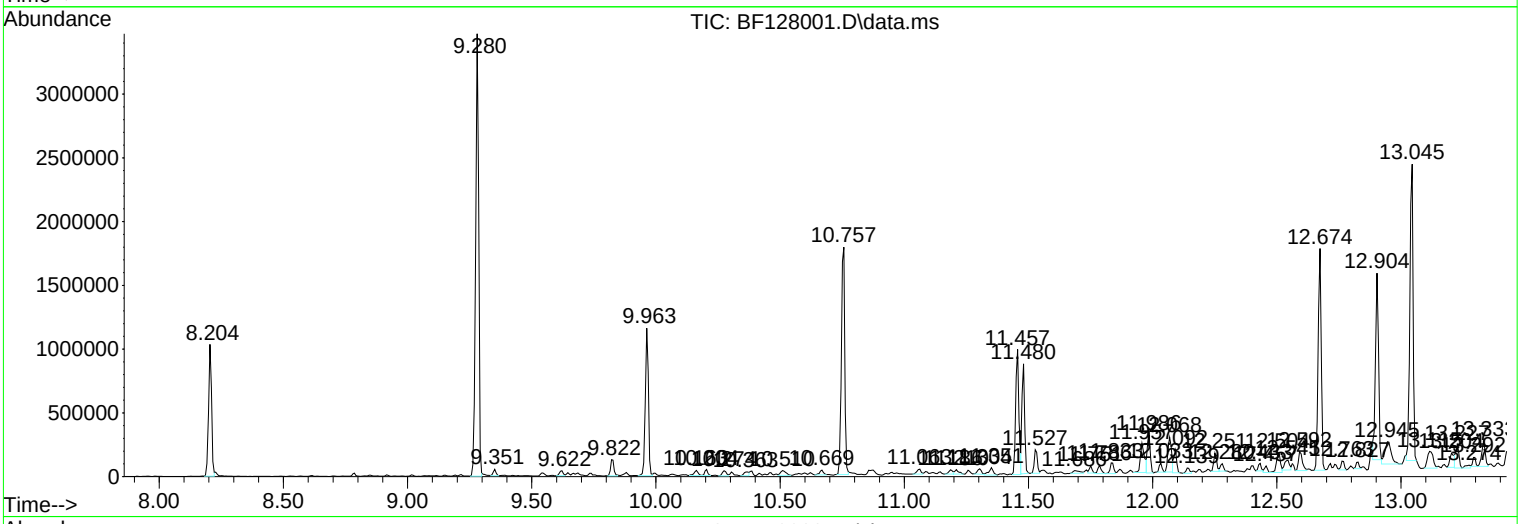
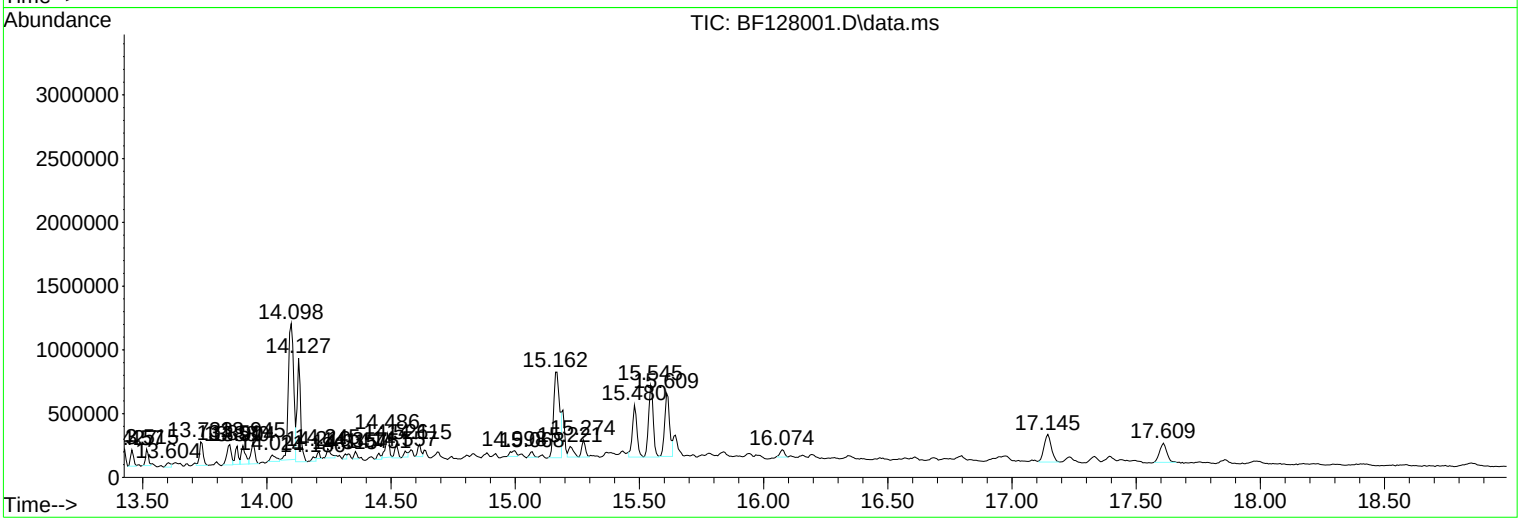
Instrument :
BNA_F
ClientSampleId :
WC-4

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042222.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P







Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF042922\
Data File : BF128001.D
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BNA_F
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

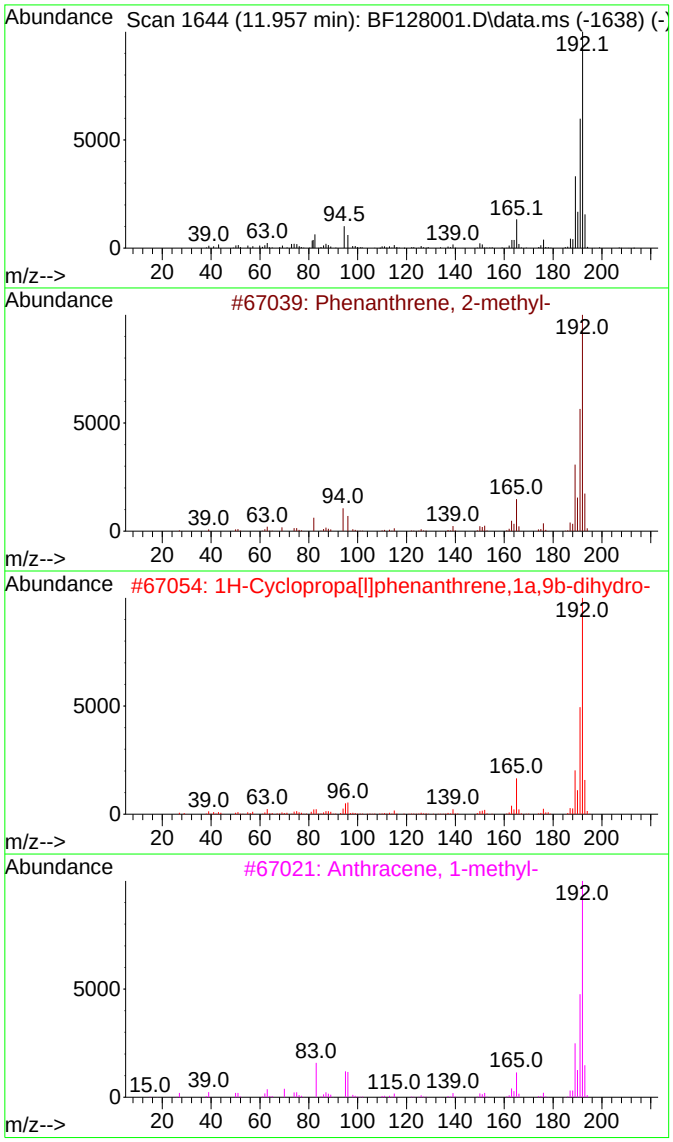
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

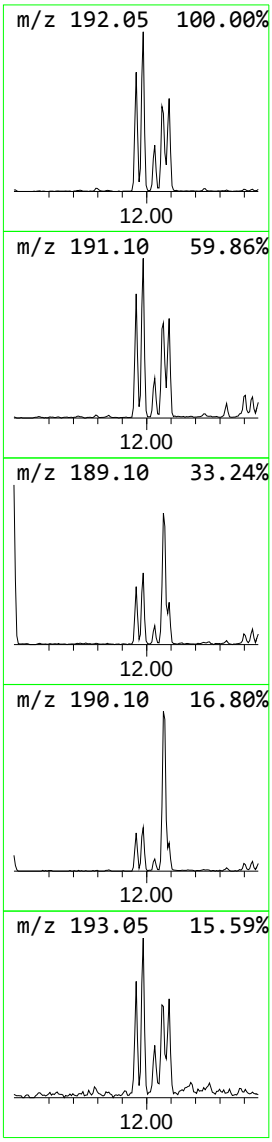
****

Peak Number 1 Phenanthrene, 2-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.957	5.94 ng	267469	Phenanthrene-d10	11.457

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
2	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	91
3	Anthracene, 1-methyl-	192	C15H12	000610-48-0	91
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	91
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	90





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF042922\
Data File : BF128001.D
Acq On : 29 Apr 2022 18:13
Operator : CG\JU
Sample : N2609-10
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
WC-4

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042222.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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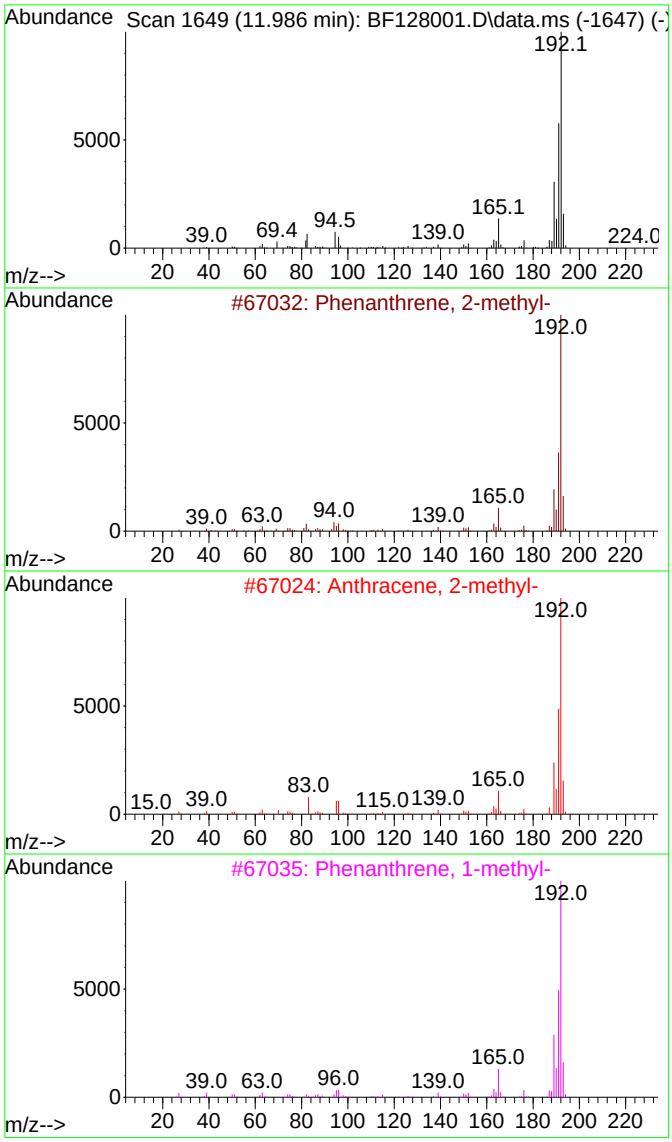
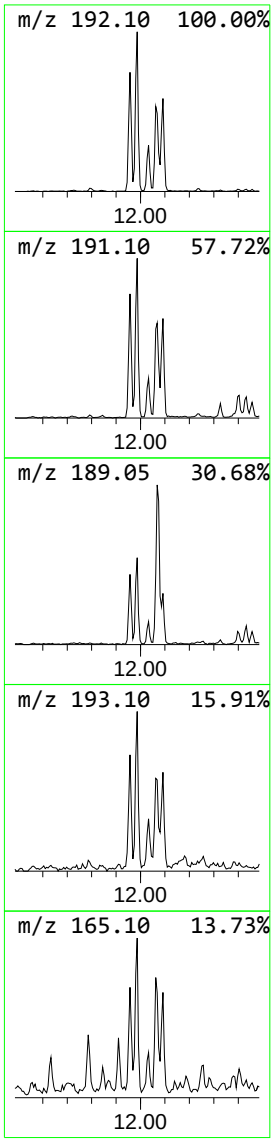
Peak Number 2 Anthracene, 2-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.986	5.13 ng	230824	Phenanthrene-d10	11.457

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	94
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	93





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF042922\
Data File : BF128001.D
Acq On : 29 Apr 2022 18:13
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Sample : N2609-10
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ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
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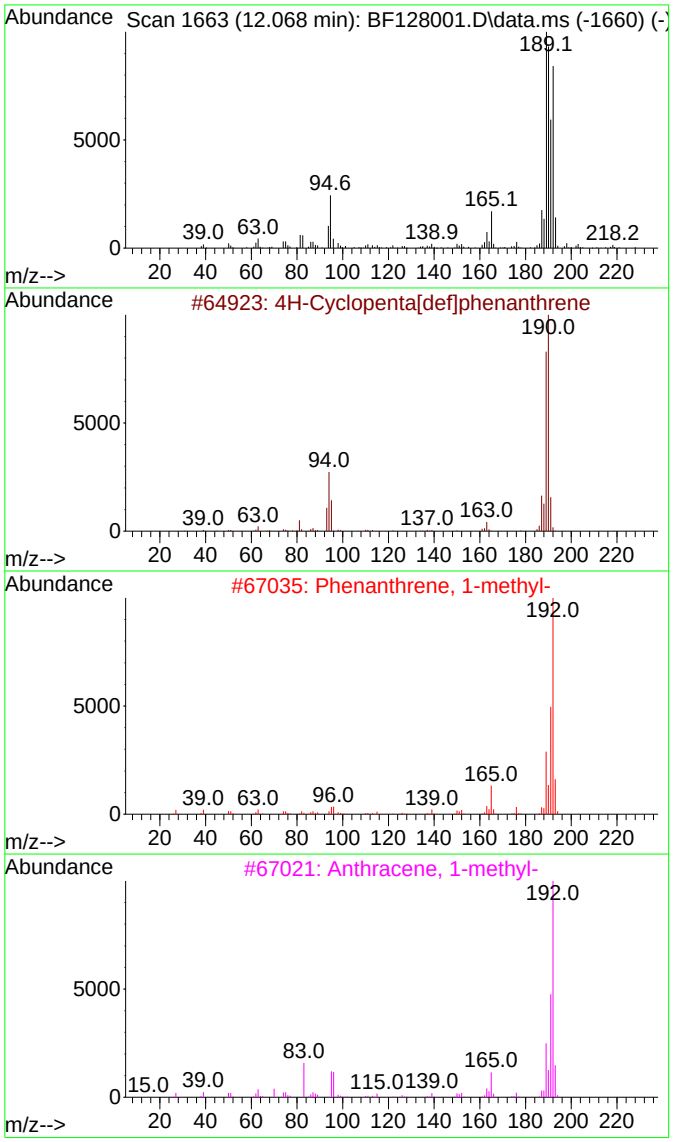
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042222.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

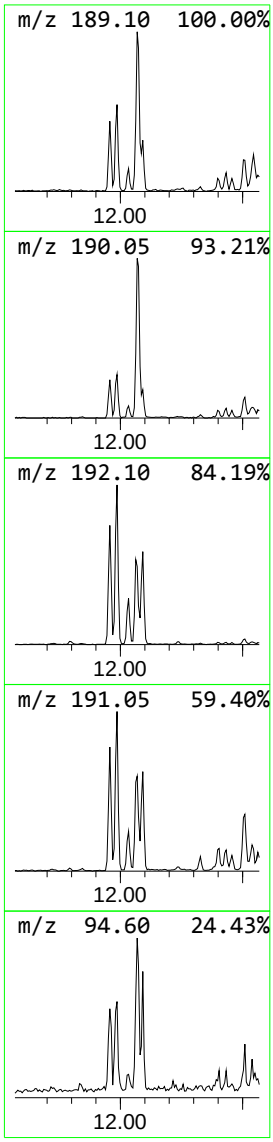
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 3 4H-Cyclopenta[def]phenanthrene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.069	6.32 ng	284270	Phenanthrene-d10	11.457

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	60
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	46
3	Anthracene, 1-methyl-	192	C15H12	000610-48-0	46
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	46
5	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	42





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Sample : N2609-10
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ALS Vial : 12 Sample Multiplier: 1

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BNA_F
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042222.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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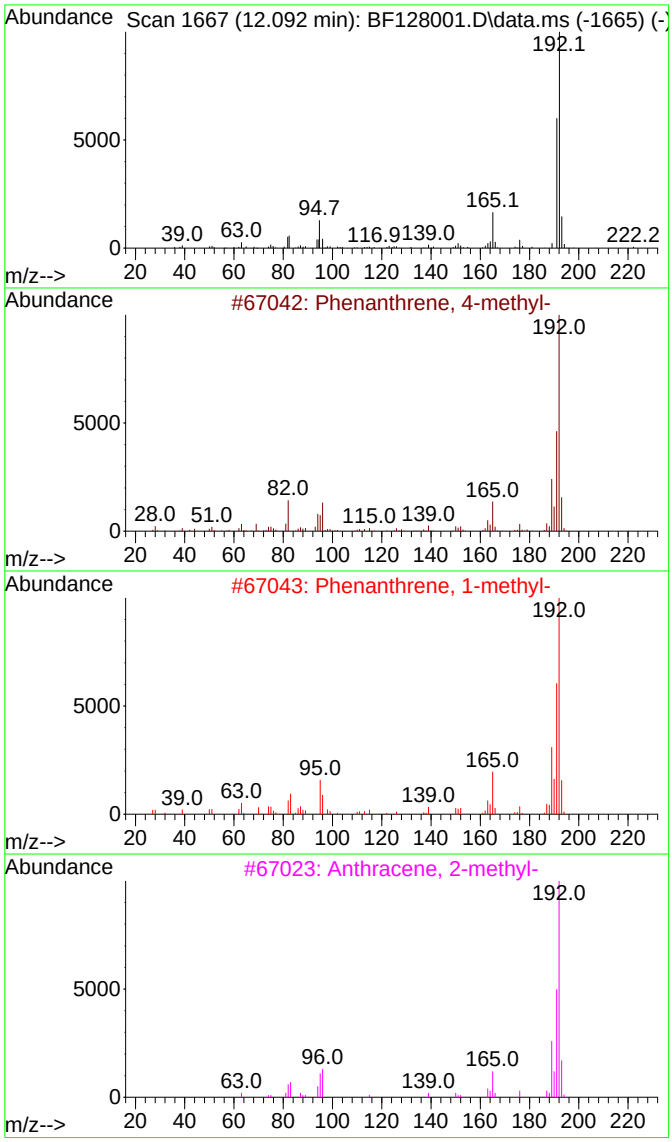
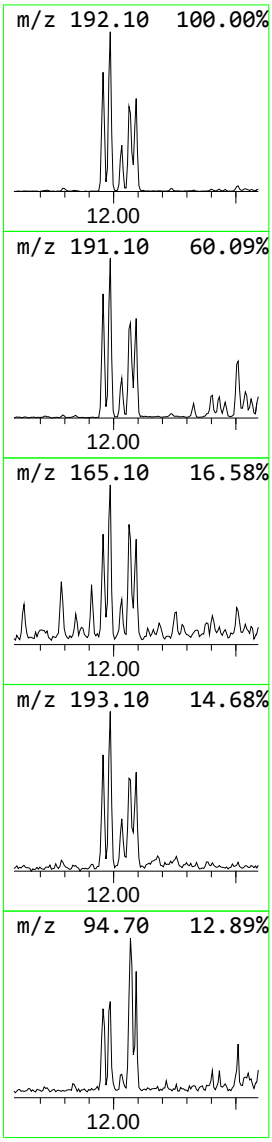
Peak Number 4 Phenanthrene, 4-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.092	2.98 ng	133998	Phenanthrene-d10	11.457

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	90
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	90
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	87
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	87
5	Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	83





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF042922\
Data File : BF128001.D
Acq On : 29 Apr 2022 18:13
Operator : CG\JU
Sample : N2609-10
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
WC-4

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042222.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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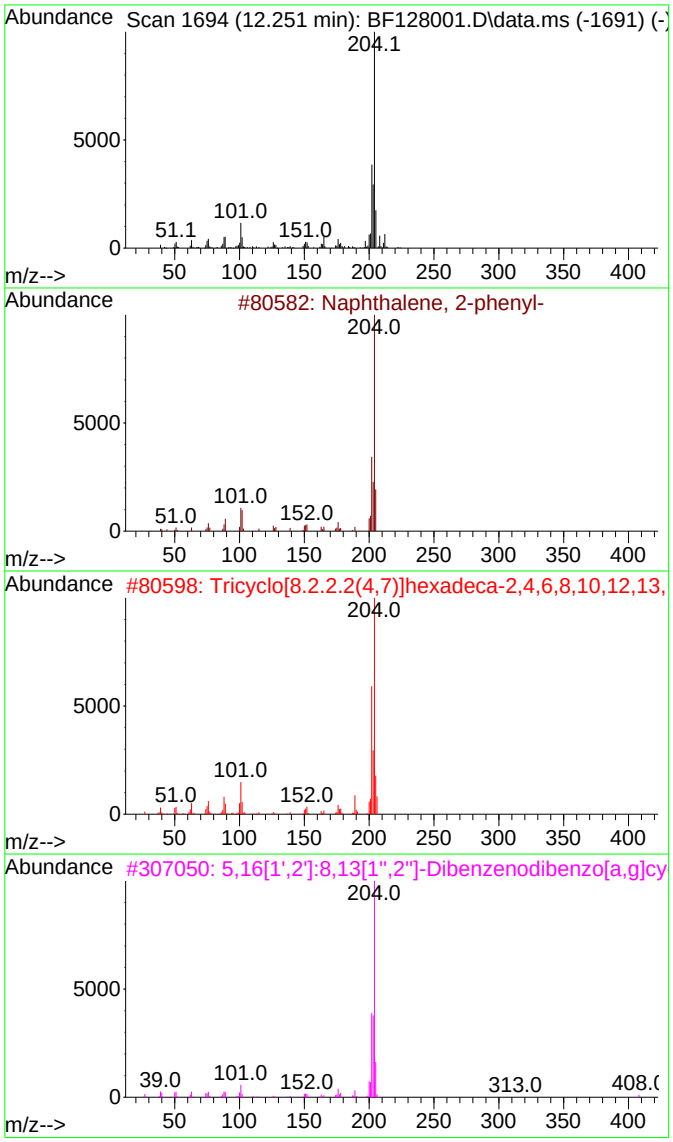
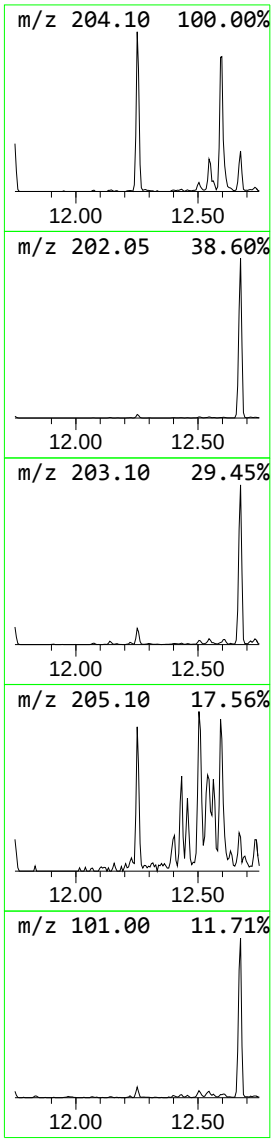
Peak Number 5 Naphthalene, 2-phenyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.251	2.80 ng	126174	Phenanthrene-d10	11.457

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	86
2	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	86
3	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	86
4	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	70
5	Benzene, 1,1'-(1-buten-3-yne-1,4...	204	C16H12	013141-45-2	55





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF042922\
Data File : BF128001.D
Acq On : 29 Apr 2022 18:13
Operator : CG\JU
Sample : N2609-10
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
WC-4

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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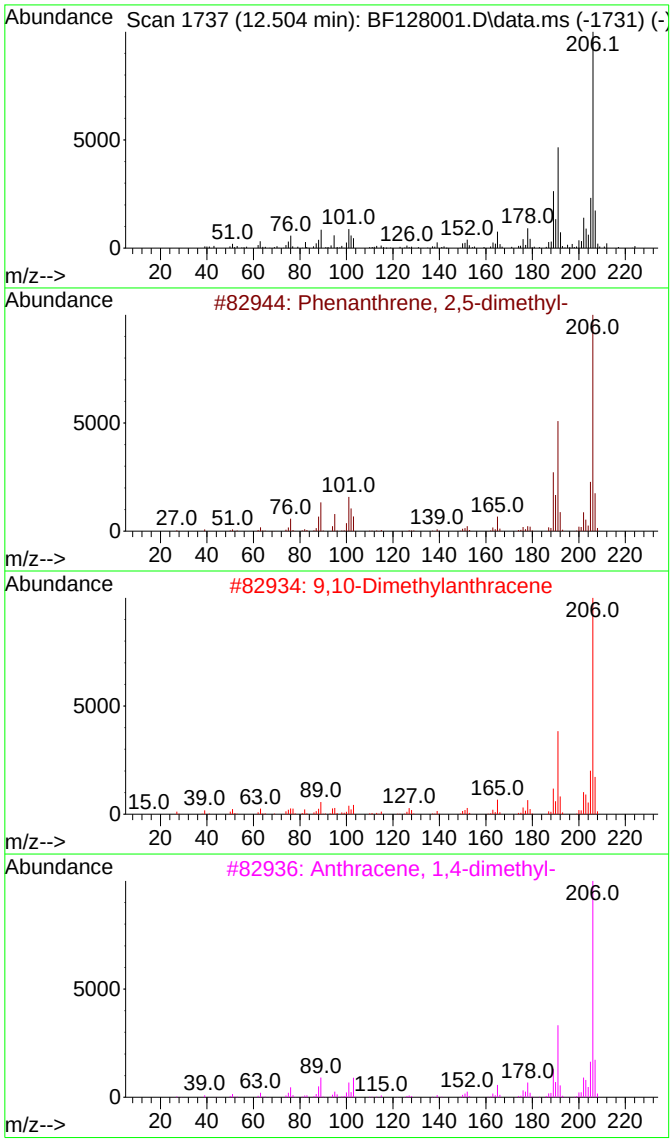
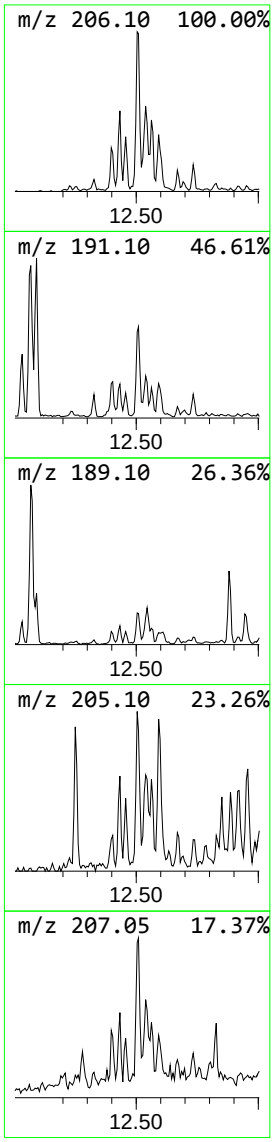
Peak Number 6 Phenanthrene, 2,5-dimethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.504	3.93 ng	176869	Phenanthrene-d10	11.457

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	98
2	9,10-Dimethylanthracene	206	C16H14	000781-43-1	96
3	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	93
4	3,4-Dimethylphenanthrene	206	C16H14	1000452-24-5	93
5	di-p-Tolylacetylene	206	C16H14	002789-88-0	93





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Acq On : 29 Apr 2022 18:13
Operator : CG\JU
Sample : N2609-10
Misc :
ALS Vial : 12 Sample Multiplier: 1

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

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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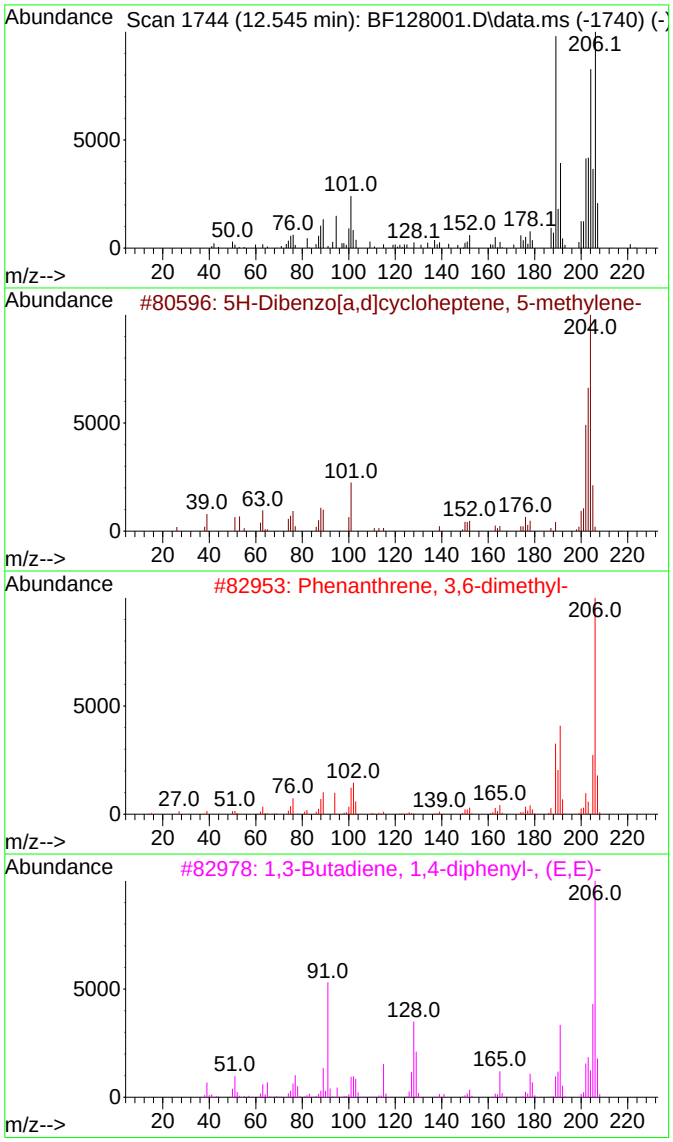
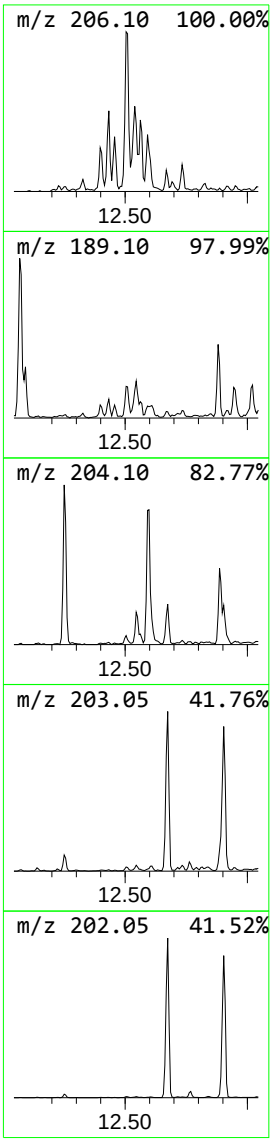
Peak Number 7 unknown12.545 Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.545	2.34 ng	105290	Phenanthrene-d10	11.457

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5H-Dibenzo[a,d]cycloheptene, 5-m...	204	C16H12	002975-79-3	38
2	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	38
3	1,3-Butadiene, 1,4-diphenyl-, (E...	206	C16H14	000538-81-8	38
4	Pyrene, 4,5,9,10-tetrahydro-	206	C16H14	000781-17-9	35
5	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	35





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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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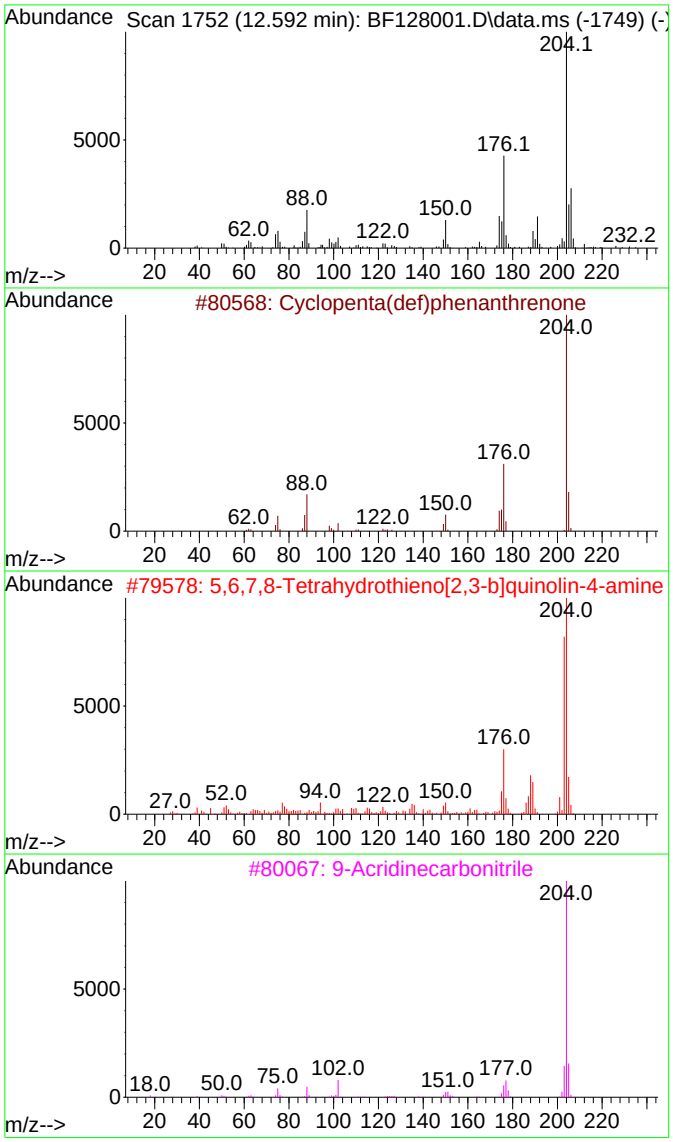
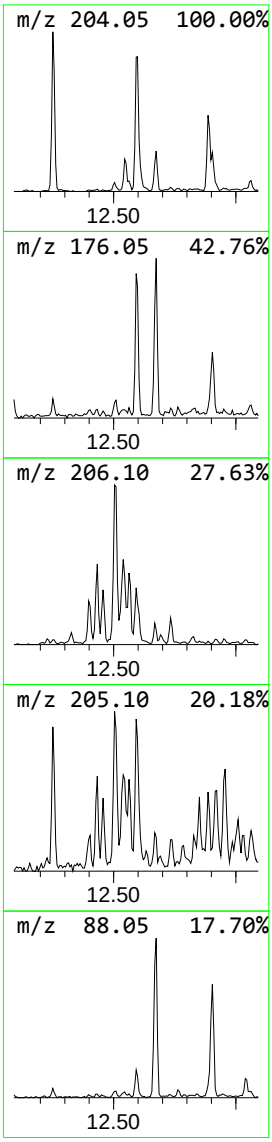
Peak Number 8 Cyclopenta(def)phenanthrenone Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.592	3.55 ng	159654	Phenanthrene-d10	11.457

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	95
2	5,6,7,8-Tetrahydrothieno[2,3-b]q...	204	C11H12N2S	122914-50-5	50
3	9-Acridinecarbonitrile	204	C14H8N2	005326-19-2	49
4	[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	47
5	Pyrimidine, 4-chloro-6-(4-methyl...	204	C11H9ClN2	1000380-55-8	43





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

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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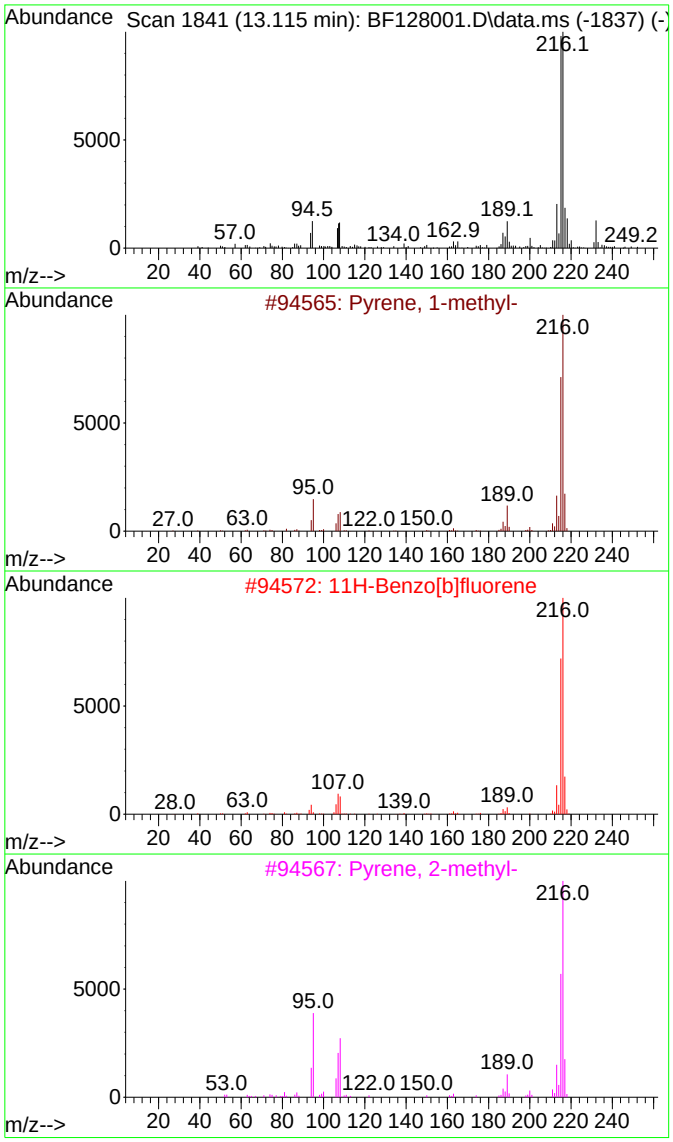
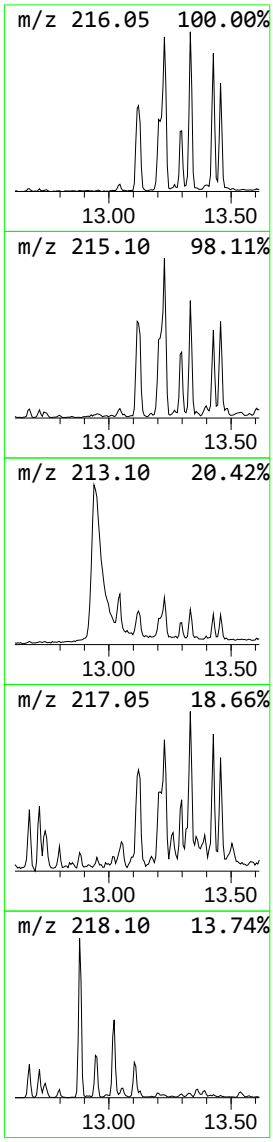
Peak Number 9 Pyrene, 1-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.116	2.70 ng	214443	Chrysene-d12	14.104

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	94
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	91
3	Pyrene, 2-methyl-	216	C17H12	003442-78-2	86
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	70
5	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	70





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

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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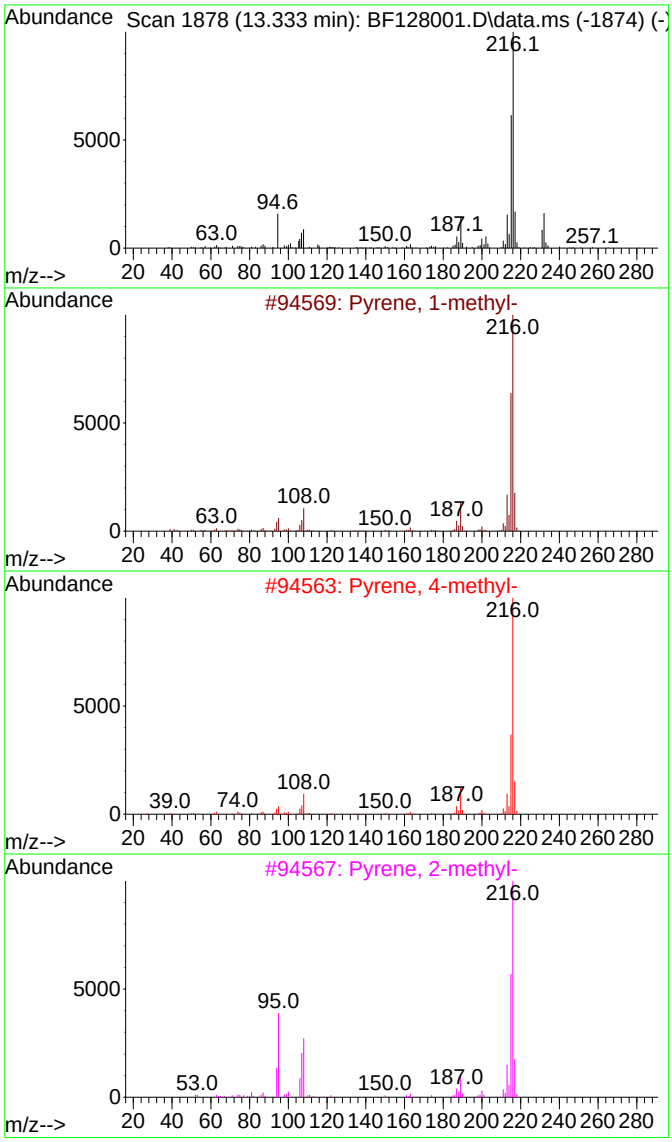
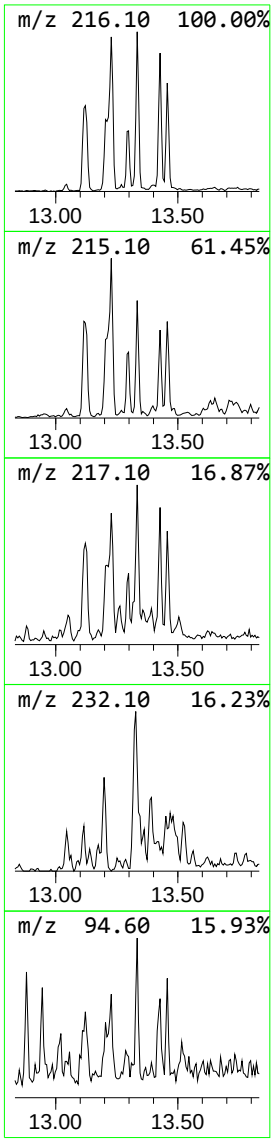
Peak Number 10 Pyrene, 4-methyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.333	2.47 ng	196155	Chrysene-d12	14.104

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	97
2	Pyrene, 4-methyl-	216	C17H12	003353-12-6	96
3	Pyrene, 2-methyl-	216	C17H12	003442-78-2	95
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	95
5	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	90





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Sample : N2609-10
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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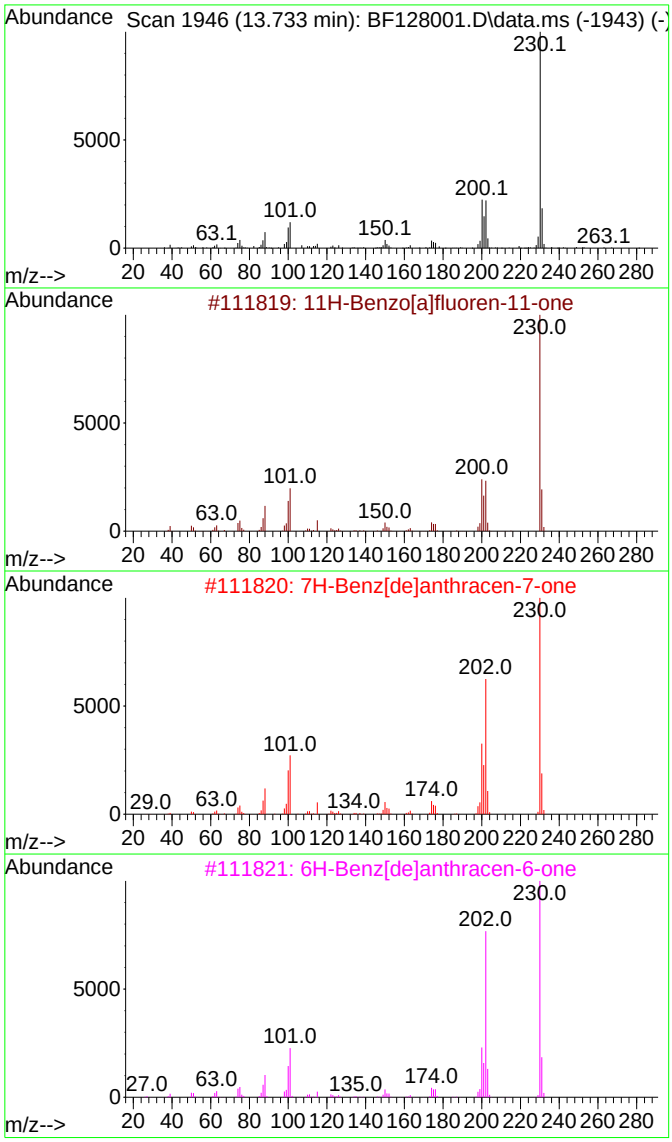
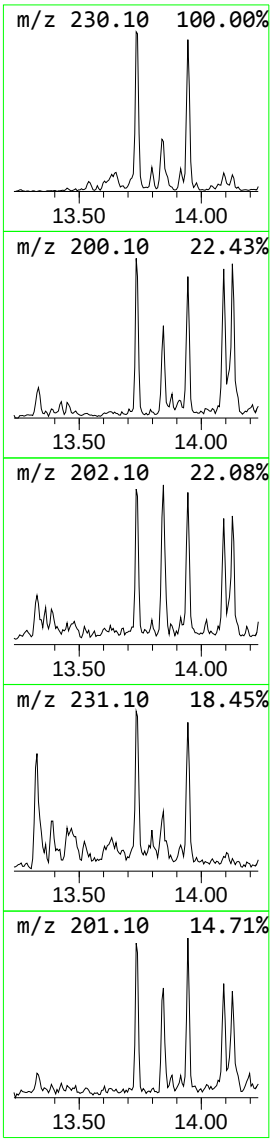
Peak Number 11 11H-Benzo[a]fluoren-11-one Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.733	2.37 ng	188739	Chrysene-d12	14.104

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluoren-11-one	230	C17H10O	000479-79-8	97
2	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	90
3	6H-Benz[de]anthracen-6-one	230	C17H10O	080252-14-8	90
4	1-Pyrenecarboxaldehyde	230	C17H10O	003029-19-4	72
5	6,6-Diphenylfulvene	230	C18H14	002175-90-8	59





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Misc :
ALS Vial : 12 Sample Multiplier: 1

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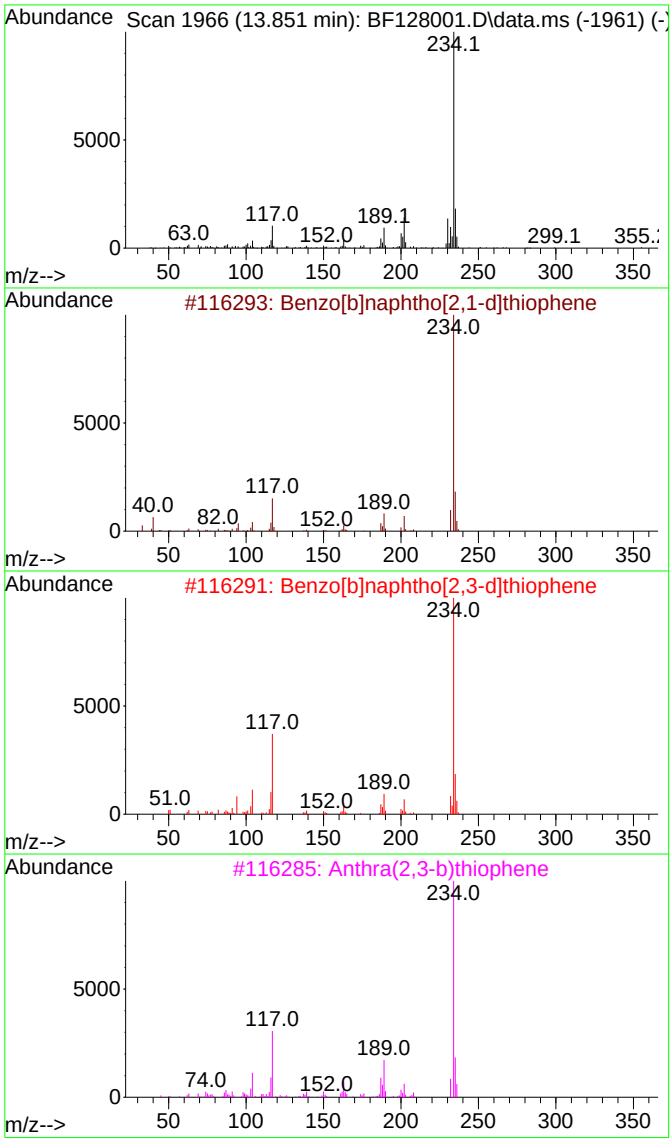
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

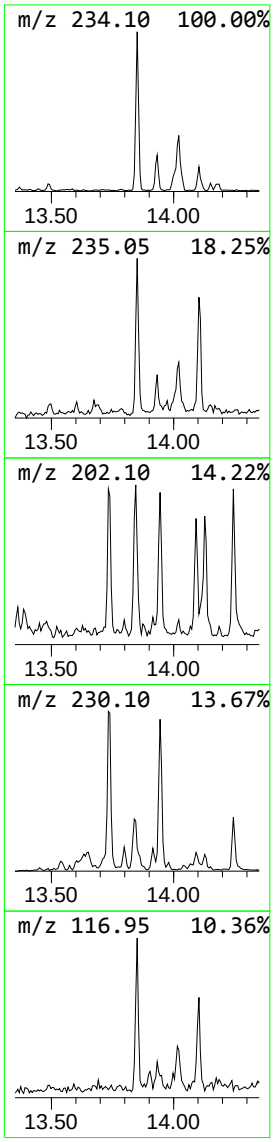
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 12 Benzo[b]naphtho[2,1-d]thiop... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.851	2.55 ng	202844	Chrysene-d12	14.104

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	91
2	Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	87
3	Anthra(2,3-b)thiophene	234	C16H10S	022108-55-0	83
4	Benzo[b]naphtho[1,2-d]thiophene	234	C16H10S	000205-43-6	74
5	Phenanthro(2,1-b)thiophene	234	C16H10S	000219-25-0	68





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Misc :
ALS Vial : 12 Sample Multiplier: 1

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

TIC Library : C:\Database\NIST20.L
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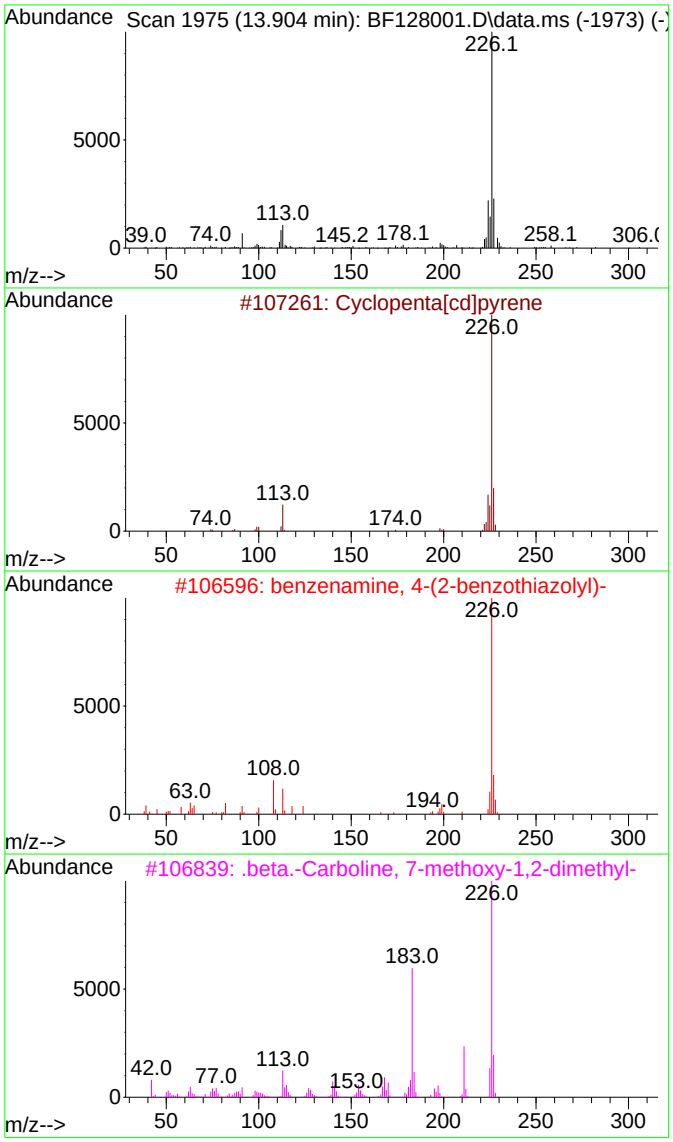
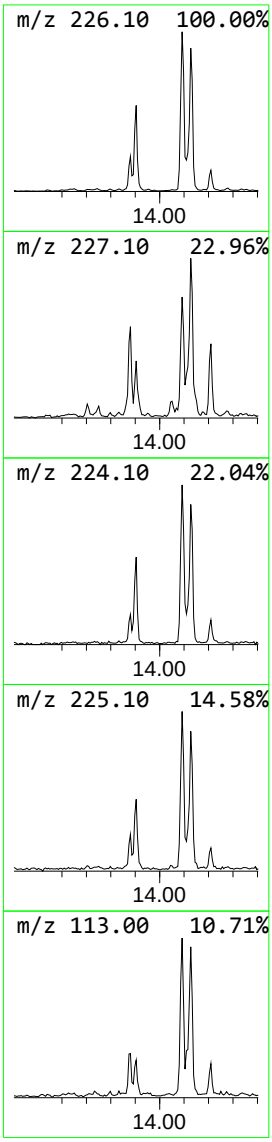
Peak Number 13 Cyclopenta[cd]pyrene Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.904	2.15 ng	170684	Chrysene-d12	14.104

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta[cd]pyrene	226	C18H10	027208-37-3	90
2	benzenamine, 4-(2-benzothiazolyl)-	226	C13H10N2S	1000400-93-4	59
3	.beta.-Carboline, 7-methoxy-1,2-...	226	C14H14N2O	006519-18-2	59
4	3-Hydroxy-4-methyl-6H-benzo[c]ch...	226	C14H10O3	076244-77-4	53
5	1,8-Diazacyclotetradecane-2,7-dione	226	C12H22N2O2	004266-66-4	47





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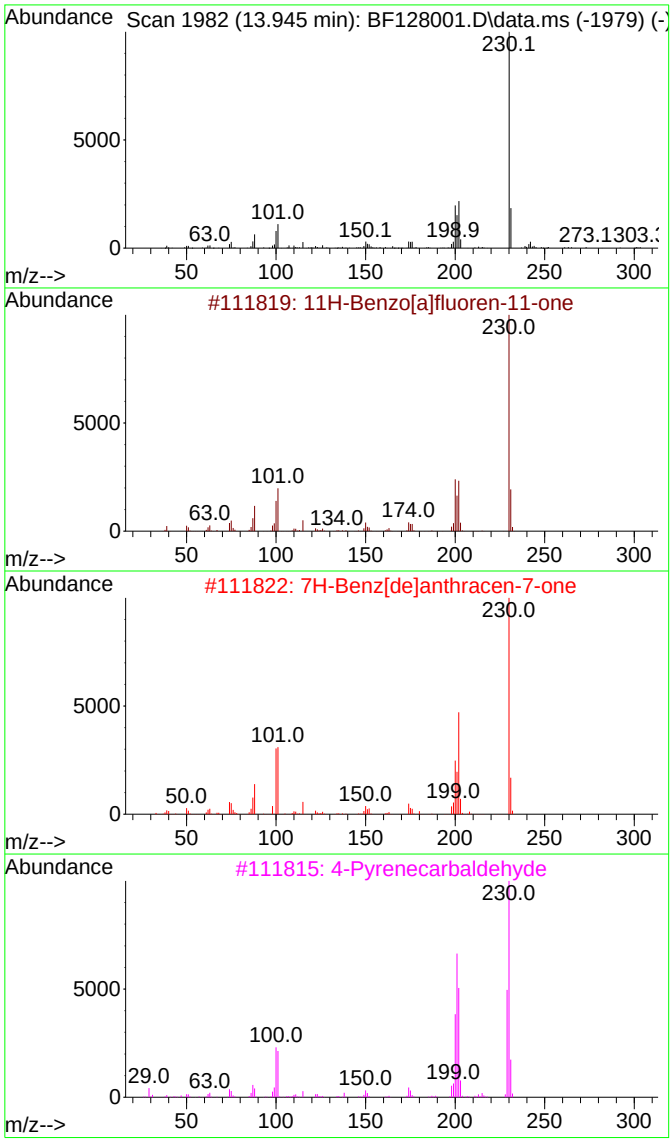
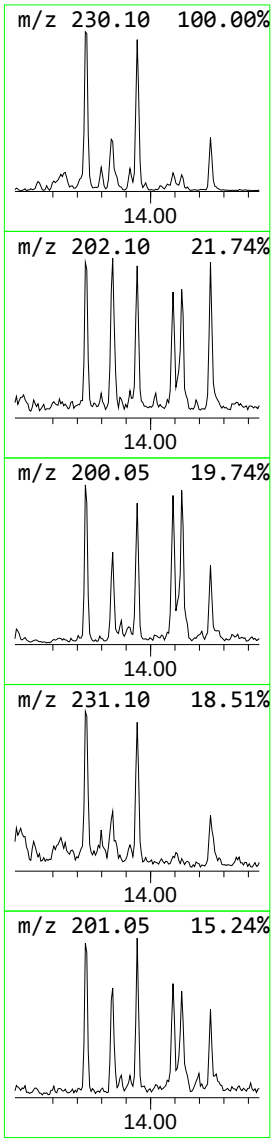
Peak Number 14 7H-Benz[de]anthracen-7-one Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.945	2.19 ng	174453	Chrysene-d12	14.104

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluoren-11-one	230	C17H10O	000479-79-8	97
2	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	90
3	4-Pyrenecarbaldehyde	230	C17H10O	022245-51-8	78
4	6H-Benz[de]anthracen-6-one	230	C17H10O	080252-14-8	64
5	o-Terphenyl	230	C18H14	000084-15-1	59





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TIC Library : C:\Database\NIST20.L
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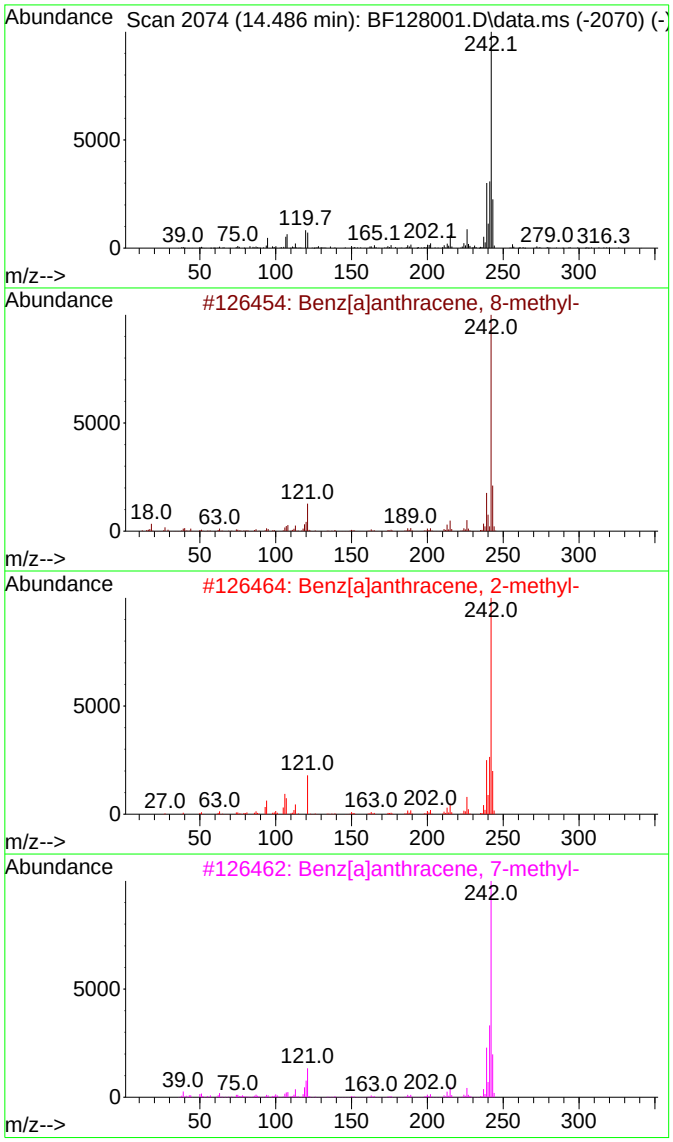
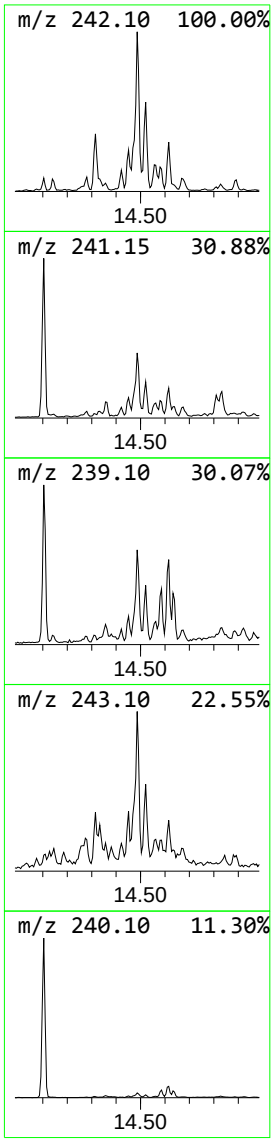
Peak Number 15 Benz[a]anthracene, 8-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.486	2.41 ng	191615	Chrysene-d12	14.104

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benz[a]anthracene, 8-methyl-	242	C19H14	002381-31-9	92
2	Benz[a]anthracene, 2-methyl-	242	C19H14	002498-76-2	90
3	Benz[a]anthracene, 7-methyl-	242	C19H14	002541-69-7	89
4	Chrysene, 1-methyl-	242	C19H14	003351-28-8	87
5	Triphenylene, 2-methyl-	242	C19H14	001705-84-6	87





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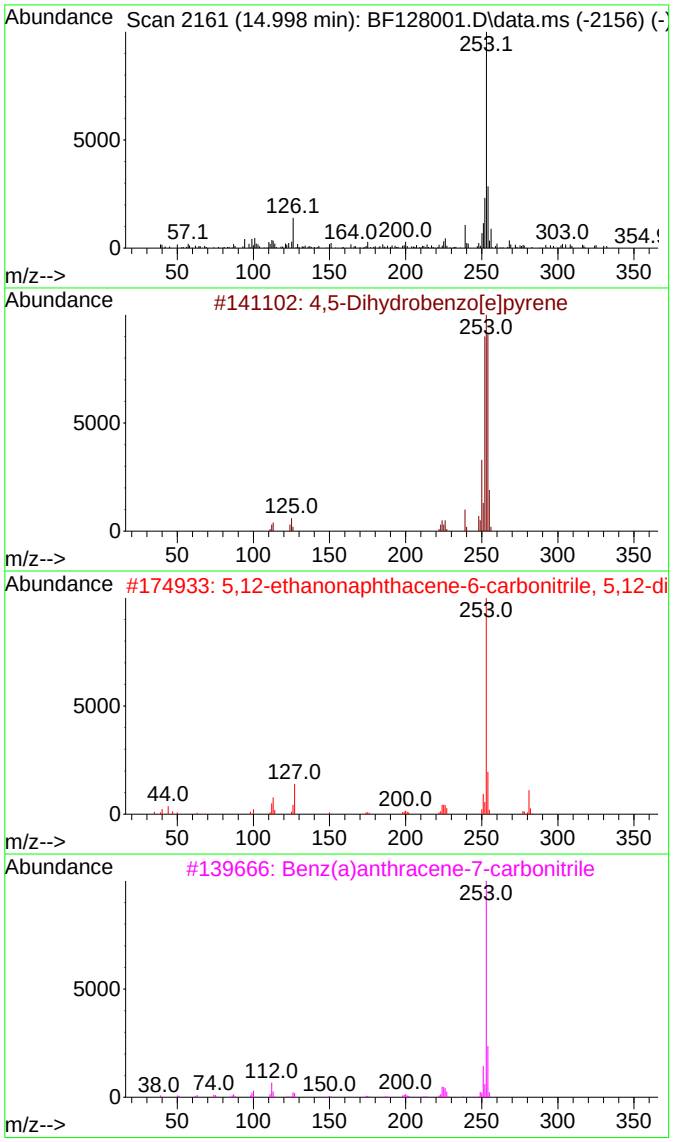
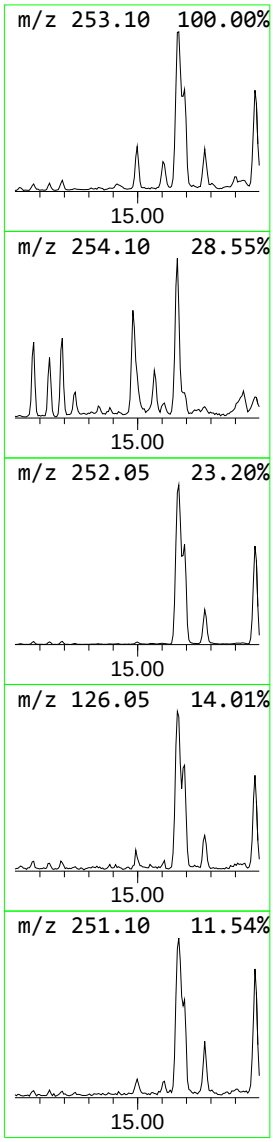
Peak Number 16 unknown14.998 Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.998	2.15 ng	75971	Perylene-d12	15.609

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4,5-Dihydrobenzo[e]pyrene	254	C20H14	095676-42-9	47
2	5,12-ethanonaphthacene-6-carboni...	281	C21H15N	1000397-19-0	45
3	Benz(a)anthracene-7-carbonitrile	253	C19H11N	007476-08-6	40
4	9H-carbazole-3,6-diamine, N3,N3,...	253	C16H19N3	1010396-68-8	38
5	2,4-Diamino-8-hydroxy-5-propyl-5...	296	C16H16N4O2	1000444-21-9	28





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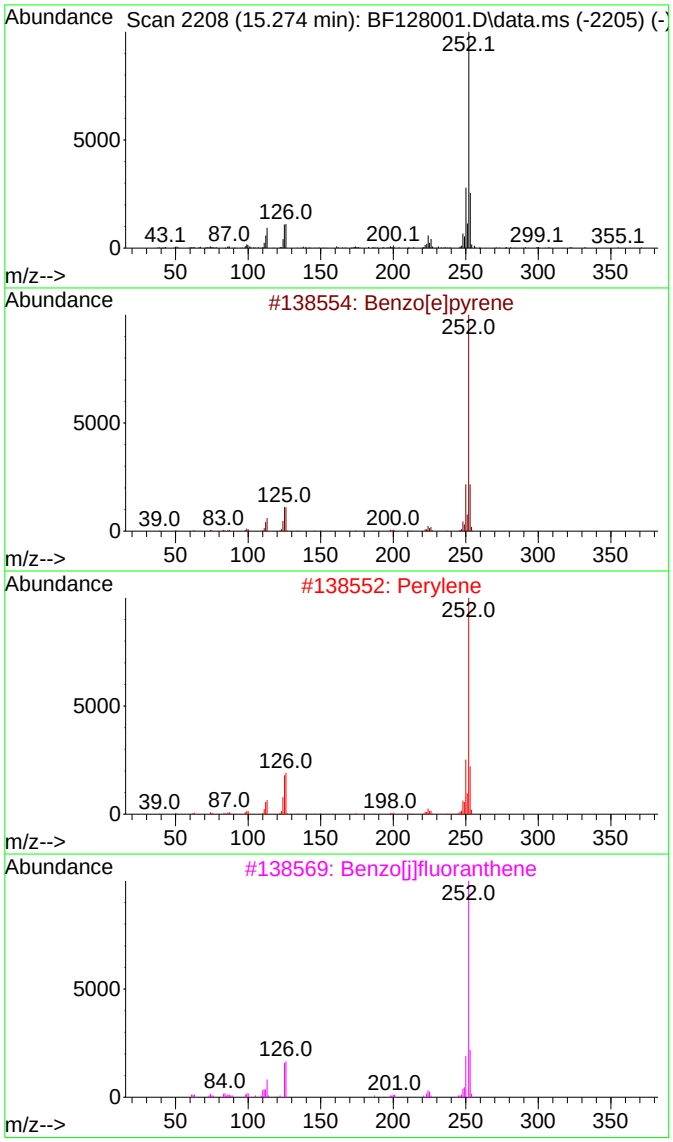
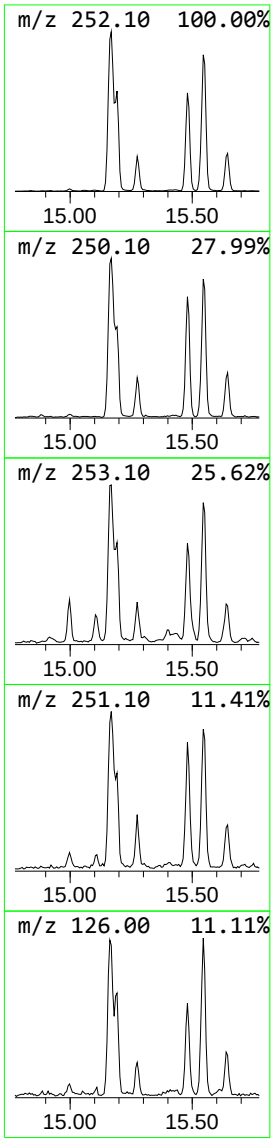
Peak Number 17 Benzo[e]pyrene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.274	4.04 ng	142422	Perylene-d12	15.609

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	98
2	Perylene	252	C20H12	000198-55-0	94
3	Benzo[j]fluoranthene	252	C20H12	000205-82-3	94
4	Benzo[k]fluoranthene	252	C20H12	000207-08-9	93
5	Benzo[b]fluoranthene	252	C20H12	000205-99-2	93





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF042922\
Data File : BF128001.D
Acq On : 29 Apr 2022 18:13
Operator : CG\JU
Sample : N2609-10
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
WC-4

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042222.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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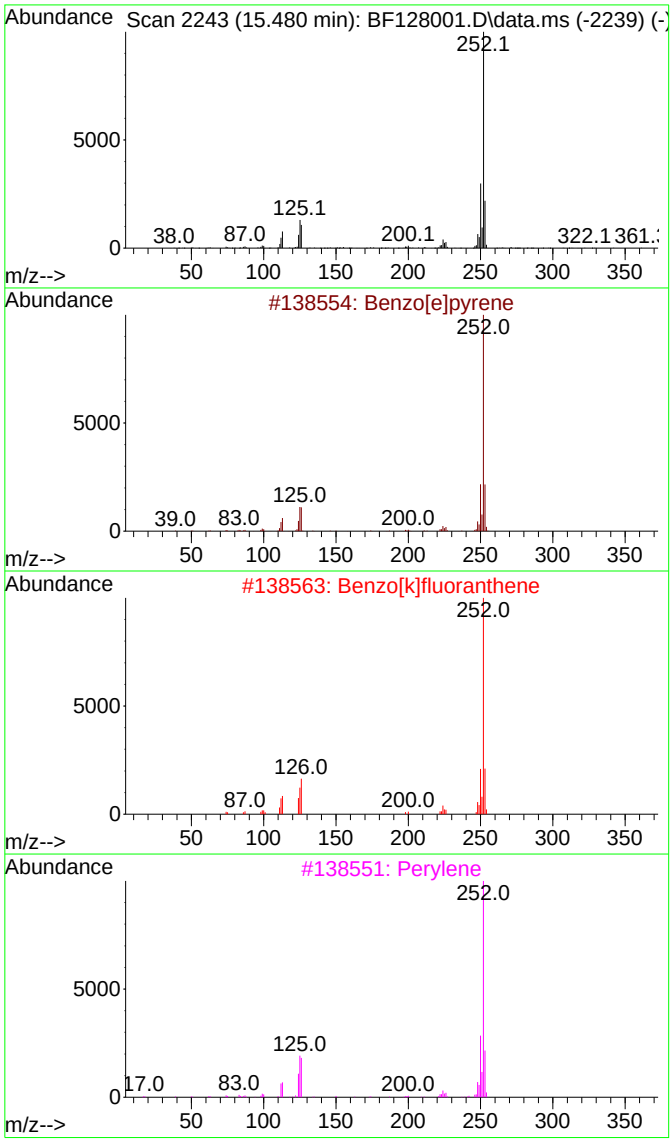
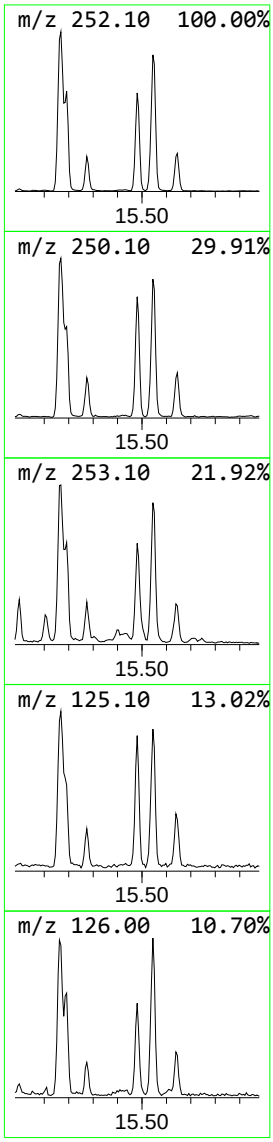
Peak Number 18 Perylene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.480	14.54 ng	512842	Perylene-d12	15.609

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	98
2	Benzo[k]fluoranthene	252	C20H12	000207-08-9	97
3	Perylene	252	C20H12	000198-55-0	95
4	Benzo[b]fluoranthene	252	C20H12	000205-99-2	93
5	Benzo[j]fluoranthene	252	C20H12	000205-82-3	93





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF042922\
Data File : BF128001.D
Acq On : 29 Apr 2022 18:13
Operator : CG\JU
Sample : N2609-10
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
WC-4

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042222.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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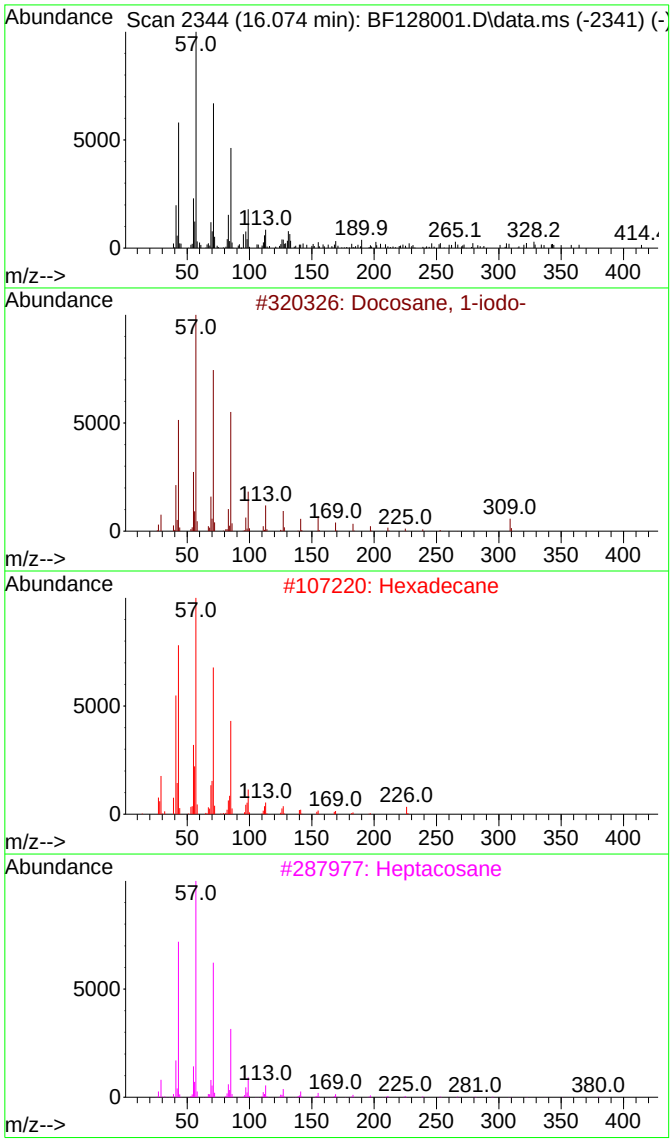
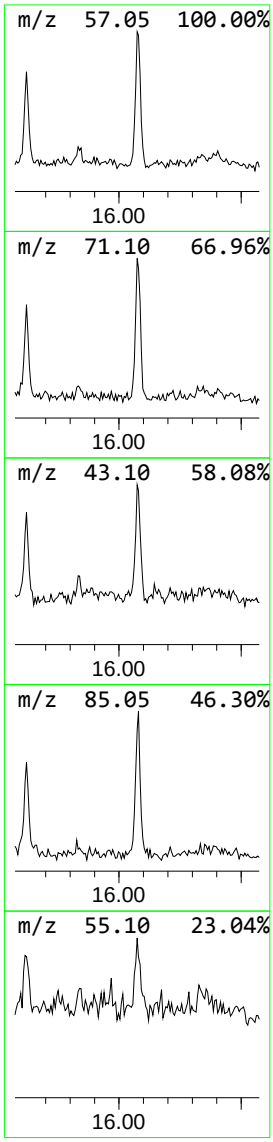
Peak Number 19 Docosane, 1-iodo- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.074	2.05 ng	72168	Perylene-d12	15.609

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Docosane, 1-iodo-	436	C22H45I	1000406-31-9	83
2	Hexadecane	226	C16H34	000544-76-3	80
3	Heptacosane	380	C27H56	000593-49-7	80
4	Octadecane, 1-iodo-	380	C18H37I	000629-93-6	80
5	Nonane, 3,7-dimethyl-	156	C11H24	017302-32-8	72





Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF042922\
Data File : BF128001.D
Acq On : 29 Apr 2022 18:13
Operator : CG\JU
Sample : N2609-10
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
WC-4

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042222.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Phenanthrene, 2...	11.957	5.9	ng	267469	4	11.457	900255	20.0
Anthracene, 2-m...	11.986	5.1	ng	230824	4	11.457	900255	20.0
4H-Cyclopenta[d...	12.069	6.3	ng	284270	4	11.457	900255	20.0
Phenanthrene, 4...	12.092	3.0	ng	133998	4	11.457	900255	20.0
Naphthalene, 2-...	12.251	2.8	ng	126174	4	11.457	900255	20.0
Phenanthrene, 2...	12.504	3.9	ng	176869	4	11.457	900255	20.0
unknown12.545	12.545	2.3	ng	105290	4	11.457	900255	20.0
Cyclopenta(def)...	12.592	3.5	ng	159654	4	11.457	900255	20.0
Pyrene, 1-methyl-	13.116	2.7	ng	214443	5	14.104	1590110	20.0
Pyrene, 4-methyl-	13.333	2.5	ng	196155	5	14.104	1590110	20.0
11H-Benzo[a]flu...	13.733	2.4	ng	188739	5	14.104	1590110	20.0
Benzo[b]naphtho...	13.851	2.5	ng	202844	5	14.104	1590110	20.0
Cyclopenta[cd]p...	13.904	2.1	ng	170684	5	14.104	1590110	20.0
7H-Benz[de]anth...	13.945	2.2	ng	174453	5	14.104	1590110	20.0
Benz[a]anthrace...	14.486	2.4	ng	191615	5	14.104	1590110	20.0
unknown14.998	14.998	2.1	ng	75971	6	15.609	705378	20.0
Benzo[e]pyrene	15.274	4.0	ng	142422	6	15.609	705378	20.0
Perylene	15.480	14.5	ng	512842	6	15.609	705378	20.0
Docosane, 1-iodo-	16.074	2.0	ng	72168	6	15.609	705378	20.0