LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080122\
Data File : BF129487.D
Acq On : 01 Aug 2022 22:34
Operator : CG\JU
Sample : N3970-01
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MHB-UPPER

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-BF072522.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF129487.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	3.505	205	207	219	rBV	20559	67271	1.47%	0.137%
2	5.116	478	481	490	rVB	45739	54638	1.20%	0.111%
3	5.516	544	549	552	rBV	4523509	4158333	90.96%	8.463%
4	6.522	715	720	723	rBV	4348552	4203134	91.94%	8.555%
5	6.875	776	780	783	rBV	1318952	1043254	22.82%	2.123%
6	7.440	871	876	879	rBV	2978686	2712996	59.34%	5.522%
7	8.157	994	998	1001	rBV	1675655	1396786	30.55%	2.843%
8	9.234	1175	1181	1184	rBV	5226614	4571594	100.00%	9.305%
9	9.569	1233	1238	1241	rBV2	58245	63835	1.40%	0.130%
10	9.910	1293	1296	1299	rVV	1541460	1329475	29.08%	2.706%
11	9.945	1299	1302	1305	rVB	233696	185007	4.05%	0.377%
12	10.116	1327	1331	1334	rBV	147992	124590	2.73%	0.254%
13	10.457	1385	1389	1394	rVB	240838	231420	5.06%	0.471%
14	10.616	1414	1416	1421	rVB	67713	60495	1.32%	0.123%
15	10.704	1427	1431	1435	rBV	2517315	2154194	47.12%	4.384%
16	11.010	1476	1483	1485	rBV3	76725	100888	2.21%	0.205%
17	11.204	1513	1516	1520	rVB2	64783	61518	1.35%	0.125%
18	11.251	1520	1524	1529	rVV3	46653	77041	1.69%	0.157%
19	11.298	1529	1532	1538	rVB	154768	129785	2.84%	0.264%
20	11.404	1546	1550	1552	rBV	1262054	1193717	26.11%	2.430%
21	11.428	1552	1554	1557	rVV	2415655	1776955	38.87%	3.617%
22	11.475	1557	1562	1565	rVV	553820	493917	10.80%	1.005%
23	11.633	1585	1589	1595	rBV	141315	164259	3.59%	0.334%
24	11.733	1603	1606	1610	rVB2	78901	75081	1.64%	0.153%
25	11.781	1610	1614	1617	rBV2	58513	52229	1.14%	0.106%
26	11.904	1629	1635	1637	rBV	358694	324371	7.10%	0.660%
27	11.933	1637	1640	1643	rVV	421936	374741	8.20%	0.763%
28	11.980	1643	1648	1650	rVV	162020	149029	3.26%	0.303%
29	12.016	1650	1654	1656	rVV2	488006	524084	11.46%	1.067%
30	12.039	1656	1658	1662	rVB	246876	199024	4.35%	0.405%
31	12.198	1682	1685	1687	rBV	195442	163816	3.58%	0.333%
32	12.228	1687	1690	1693	rVB2	118915	113250	2.48%	0.230%
33	12.345	1705	1710	1713	rBV2	95437	112013	2.45%	0.228%
34	12.375	1713	1715	1717	rVV	81596	72885	1.59%	0.148%
35	12.404	1717	1720	1722	rVB	62833	54937	1.20%	0.112%
36	12.451	1724	1728	1731	rBV	199518	217489	4.76%	0.443%

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080122\
Data File : BF129487.D
Acq On : 01 Aug 2022 22:34
Operator : CG\JU
Sample : N3970-01
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
MHB-UPPER

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-BF072522.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	12.492	1731	1735	1737	rVV3	117618	171573	3.75%	0.349%
38	12.539	1740	1743	1748	rBV2	148154	179758	3.93%	0.366%
39	12.616	1752	1756	1760	rBV	2057545	1898535	41.53%	3.864%
40	12.680	1765	1767	1770	rVV	76981	67195	1.47%	0.137%
41	12.745	1774	1778	1780	rVV3	51352	68420	1.50%	0.139%
42	12.769	1780	1782	1785	rVV	99718	96654	2.11%	0.197%
43	12.851	1789	1796	1801	rVV	2012430	2183648	47.77%	4.444%
44	12.892	1801	1803	1808	rVB2	99457	109206	2.39%	0.222%
45	12.986	1815	1819	1822	rBV	3291276	2697007	58.99%	5.489%
46	13.063	1827	1832	1836	rBV3	162119	260808	5.70%	0.531%
47	13.151	1843	1847	1848	rBV2	125051	142166	3.11%	0.289%
48	13.175	1848	1851	1854	rVB2	263461	254732	5.57%	0.518%
49	13.239	1859	1862	1865	rBV	171287	137356	3.00%	0.280%
50	13.280	1865	1869	1871	rBV2	224522	233350	5.10%	0.475%
51	13.369	1881	1884	1887	rBV	152750	137480	3.01%	0.280%
52	13.404	1887	1890	1893	rVV	145905	140172	3.07%	0.285%
53	13.680	1934	1937	1942	rVB	184341	184789	4.04%	0.376%
54	13.792	1951	1956	1959	rBV2	219398	261255	5.71%	0.532%
55	13.822	1959	1961	1963	rVV	206885	165044	3.61%	0.336%
56	13.845	1963	1965	1968	rVV2	133401	170559	3.73%	0.347%
57	13.886	1968	1972	1980	rVB2	255800	405184	8.86%	0.825%
58	13.963	1980	1985	1990	rBV	61627	102935	2.25%	0.210%
59	14.045	1994	1999	2002	rVV2	1447770	2340019	51.19%	4.763%
60	14.074	2002	2004	2011	rVV	1000276	864850	18.92%	1.760%
61	14.133	2011	2014	2015	rVV3	59776	59496	1.30%	0.121%
62	14.151	2015	2017	2021	rVV	144591	125755	2.75%	0.256%
63	14.192	2021	2024	2030	rVV3	83570	144936	3.17%	0.295%
64	14.274	2034	2038	2040	rVB2	79369	86059	1.88%	0.175%
65	14.363	2050	2053	2056	rBV2	47184	55414	1.21%	0.113%
66	14.392	2056	2058	2060	rVV	76665	71425	1.56%	0.145%
67	14.427	2060	2064	2067	rVV	273477	308838	6.76%	0.629%
68	14.463	2067	2070	2073	rVV	165966	155276	3.40%	0.316%
69	14.527	2073	2081	2083	rVV4	103276	221120	4.84%	0.450%
70	14.557	2083	2086	2088	rVV2	126976	131188	2.87%	0.267%
71	14.580	2088	2090	2092	rVB	98360	80702	1.77%	0.164%
72	14.786	2123	2125	2129	rVB3	55186	58864	1.29%	0.120%
73	14.927	2145	2149	2157	rVB3	63945	110586	2.42%	0.225%
74	15.092	2172	2177	2180	rBV	805707	1197087	26.19%	2.436%
75	15.204	2193	2196	2199	rVB	144027	148302	3.24%	0.302%
76	15.292	2208	2211	2217	rBV4	37914	86995	1.90%	0.177%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080122\
Data File : BF129487.D
Acq On : 01 Aug 2022 22:34
Operator : CG\JU
Sample : N3970-01
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
MHB-UPPER

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-BF072522.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

77	15.404	2225	2230	2236	rVB	502628	649999	14.22%	1.323%
78	15.468	2236	2241	2246	rBV	750483	913438	19.98%	1.859%
79	15.533	2246	2252	2255	rVV	837006	1085915	23.75%	2.210%
80	15.563	2255	2257	2263	rVB2	212677	260906	5.71%	0.531%
81	15.968	2322	2326	2330	rBV4	37053	62310	1.36%	0.127%
82	16.098	2345	2348	2353	rVB2	44472	61077	1.34%	0.124%
83	17.027	2500	2506	2513	rVB2	253491	493687	10.80%	1.005%
84	17.204	2532	2536	2541	rBV	50778	91913	2.01%	0.187%
85	17.480	2577	2583	2594	rVB	190499	410760	8.99%	0.836%

Sum of corrected areas: 49132794

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080122\
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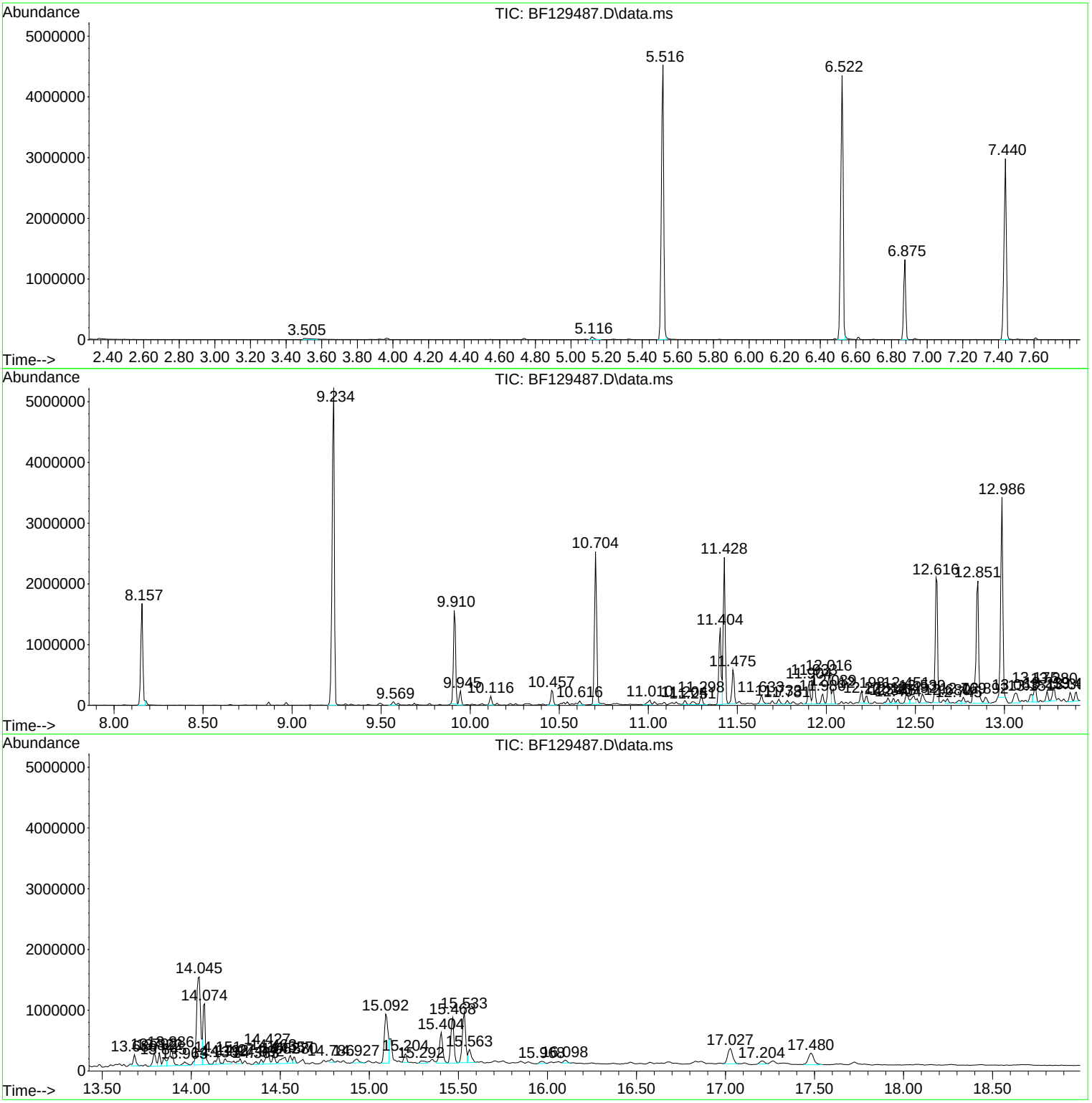
Acq On : 01 Aug 2022 22:34
Operator : CG\JU
Sample : N3970-01
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
MHB-UPPER

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF072522.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\BF080122\
Data File : BF129487.D
Acq On : 01 Aug 2022 22:34
Operator : CG\JU
Sample : N3970-01
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
MHB-UPPER

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF072522.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

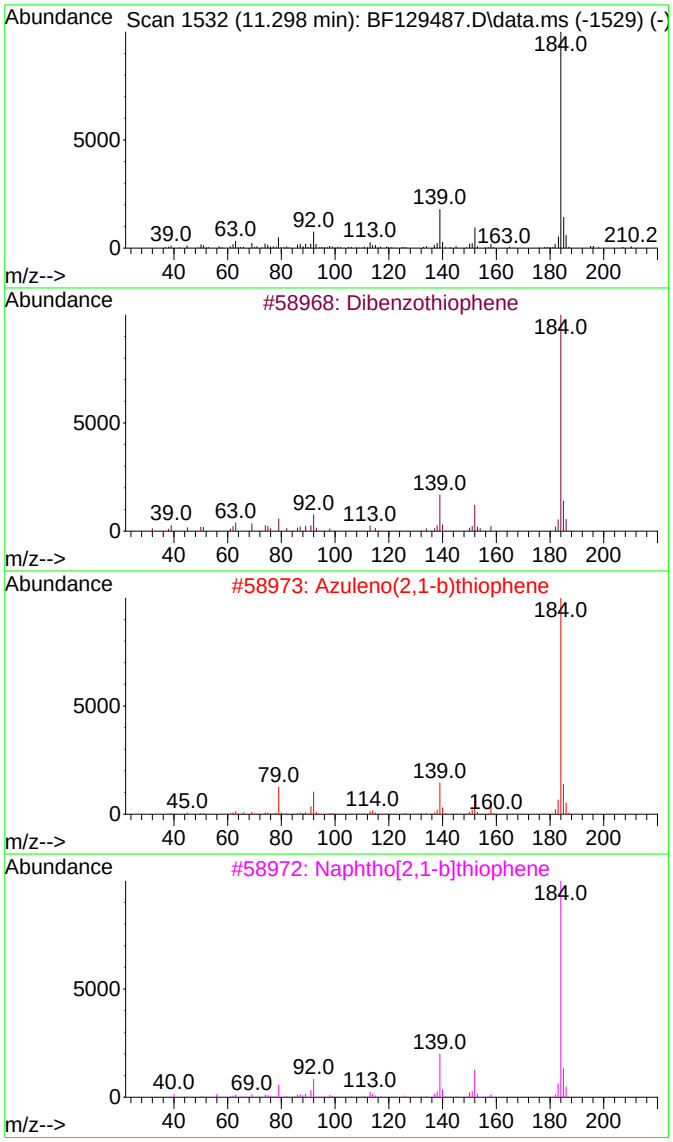
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

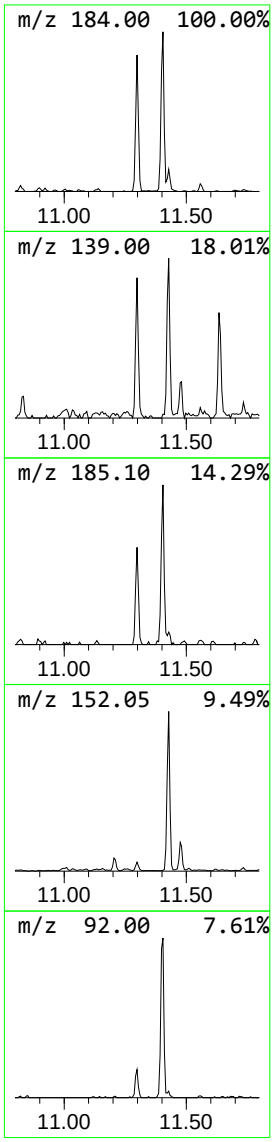
****

Peak Number 1 Dibenzothiophene Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.298	2.17 ng	129785	Phenanthrene-d10	11.404

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene	184	C12H8S	000132-65-0	97
2	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	91
3	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	91
4	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	90
5	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	81





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080122\
Data File : BF129487.D
Acq On : 01 Aug 2022 22:34
Operator : CG\JU
Sample : N3970-01
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
MHB-UPPER

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF072522.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

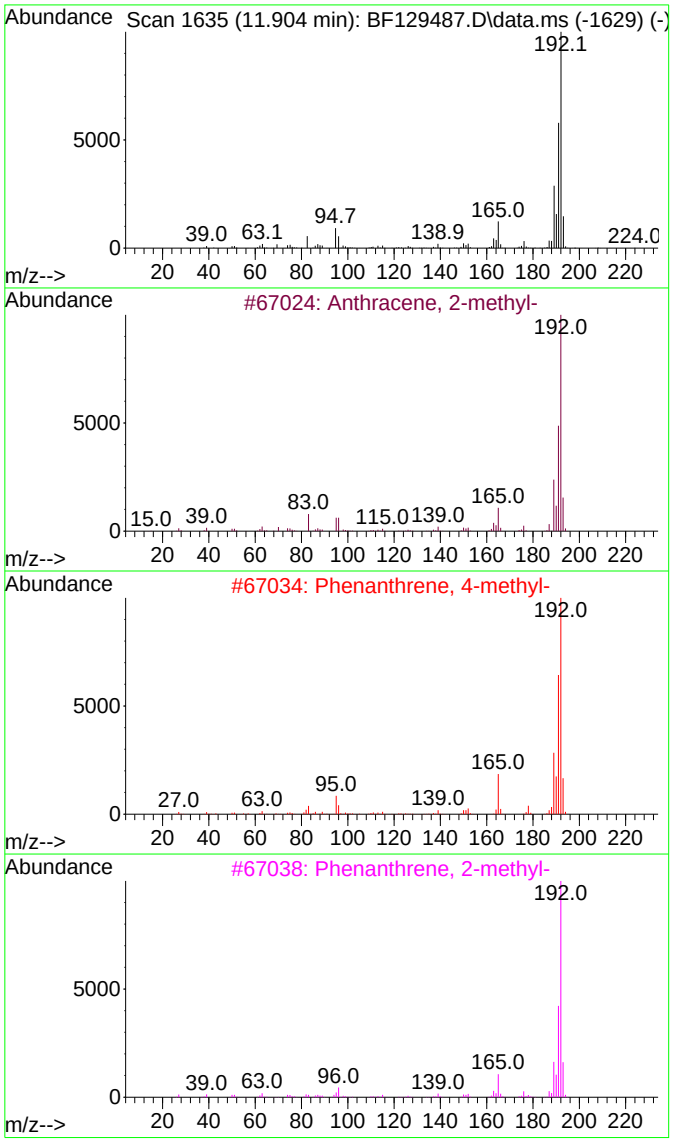
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

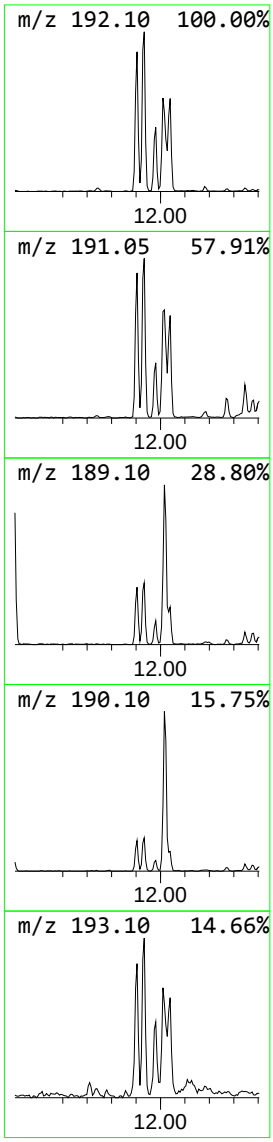
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.904	5.43 ng	324371	Phenanthrene-d10	11.404

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
2	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	95
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
5	Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	91





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080122\
Data File : BF129487.D
Acq On : 01 Aug 2022 22:34
Operator : CG\JU
Sample : N3970-01
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
MHB-UPPER

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF072522.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

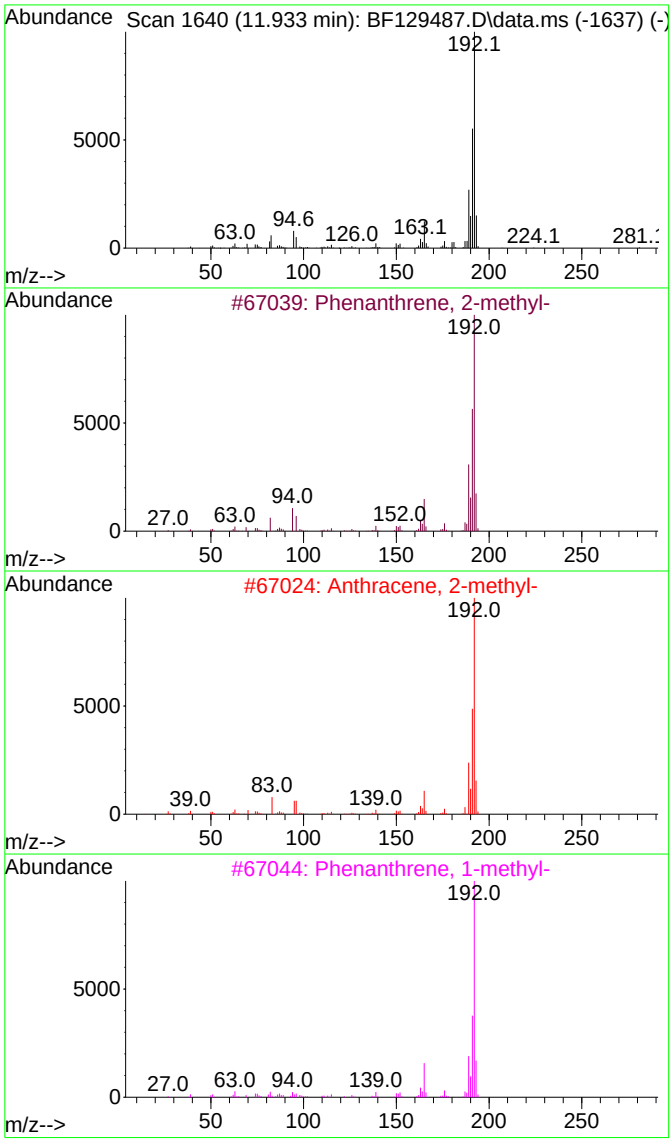
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

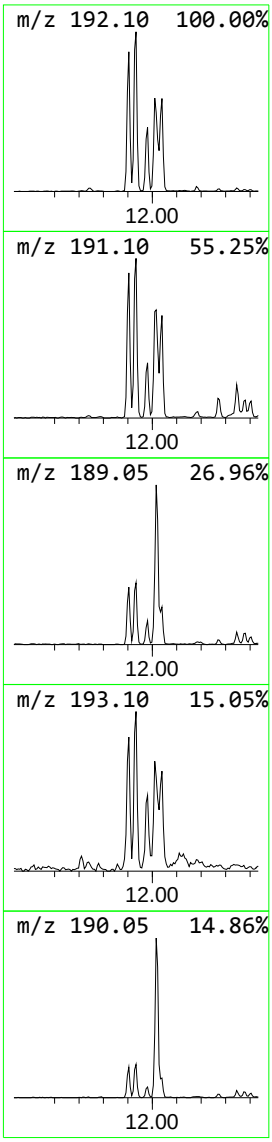
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.933	6.28 ng	374741	Phenanthrene-d10	11.404

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	95
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	94
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	91
5	Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	91





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080122\
Data File : BF129487.D
Acq On : 01 Aug 2022 22:34
Operator : CG\JU
Sample : N3970-01
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
MHB-UPPER

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF072522.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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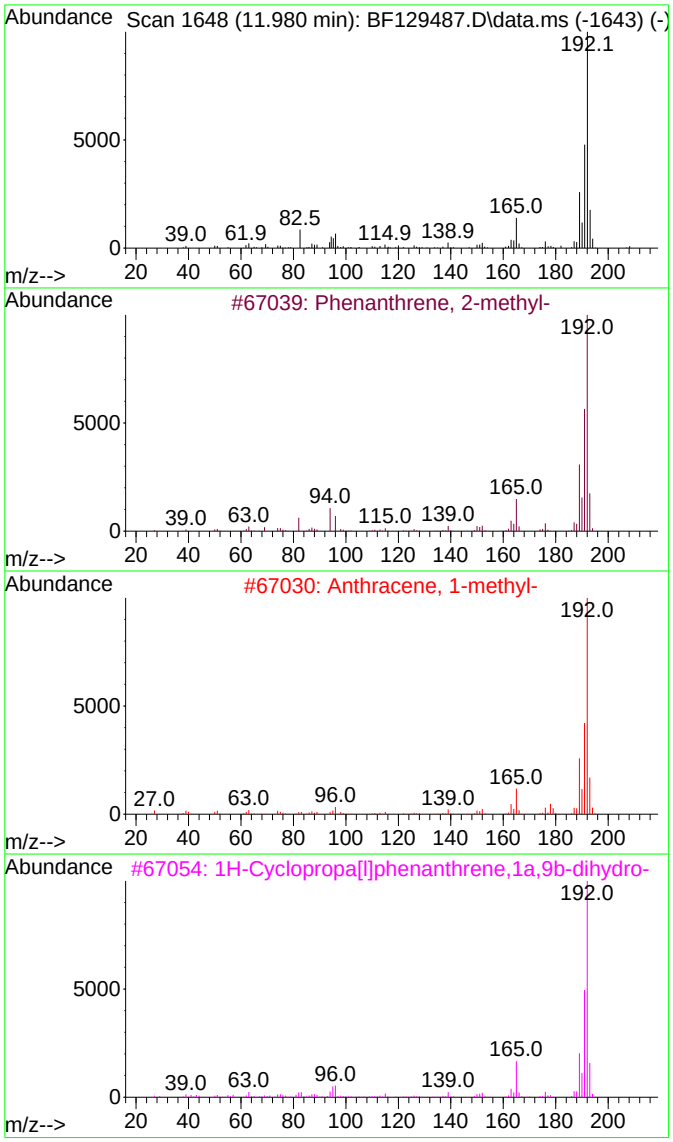
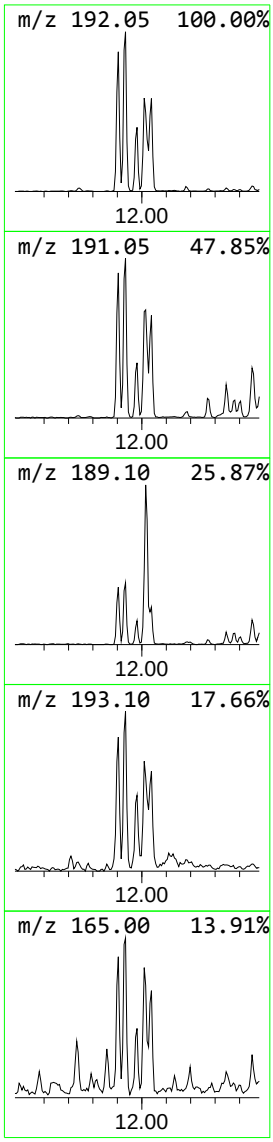
Peak Number 4 Anthracene, 1-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.980	2.50 ng	149029	Phenanthrene-d10	11.404

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	97
2	Anthracene, 1-methyl-	192	C15H12	000610-48-0	96
3	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	96
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
5	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	95





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080122\
Data File : BF129487.D
Acq On : 01 Aug 2022 22:34
Operator : CG\JU
Sample : N3970-01
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
MHB-UPPER

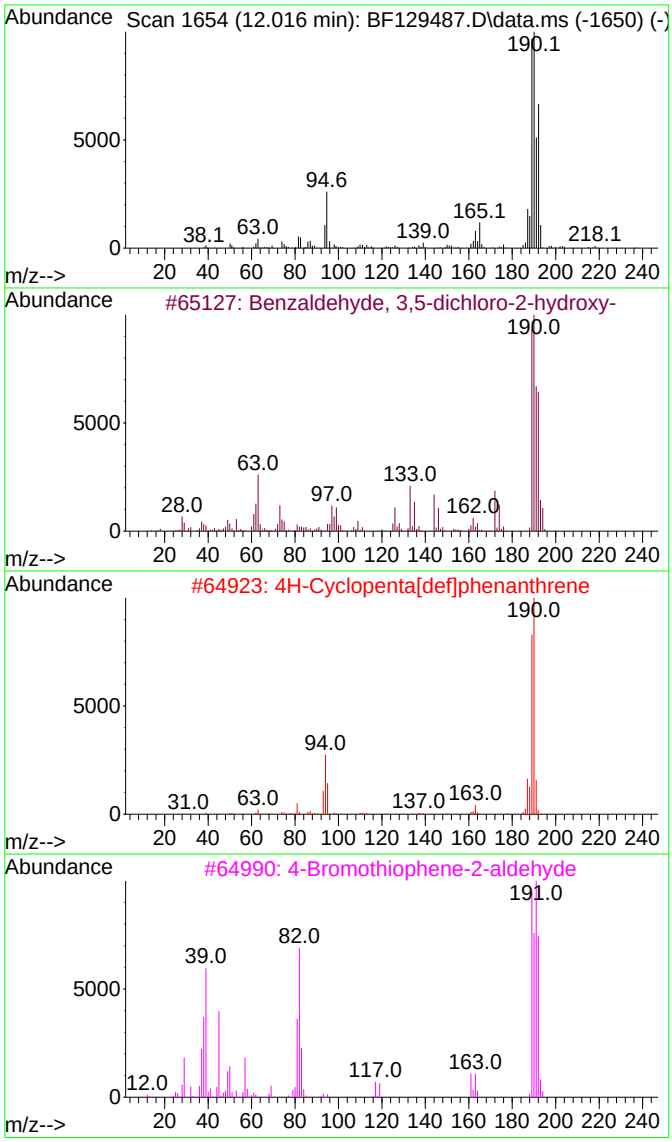
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF072522.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

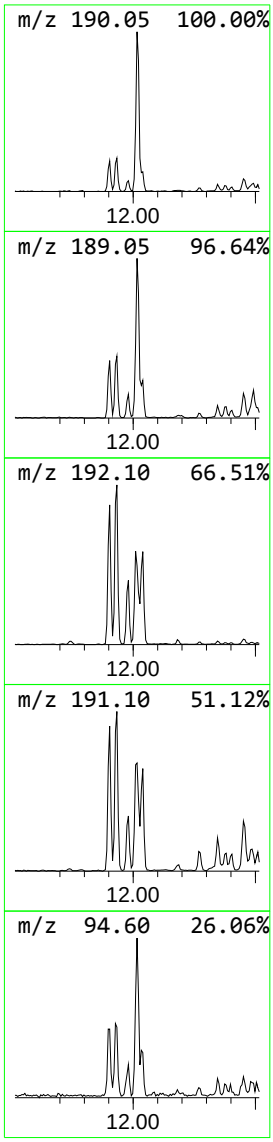
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 5 Benzaldehyde, 3,5-dichloro-... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.016	8.78 ng	524084	Phenanthrene-d10	11.404

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzaldehyde, 3,5-dichloro-2-hyd...	190	C7H4Cl2O2	000090-60-8	72
2	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	70
3	4-Bromothiophene-2-aldehyde	190	C5H3BrOS	018791-75-8	53
4	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	38
5	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	30





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080122\
Data File : BF129487.D
Acq On : 01 Aug 2022 22:34
Operator : CG\JU
Sample : N3970-01
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
MHB-UPPER

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF072522.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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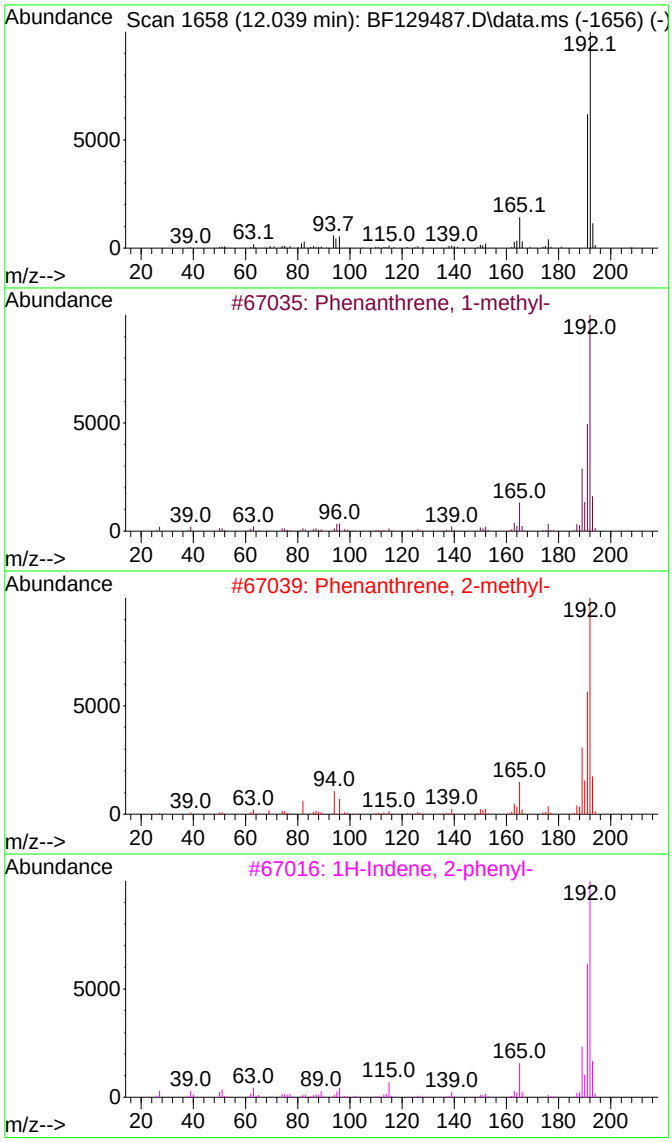
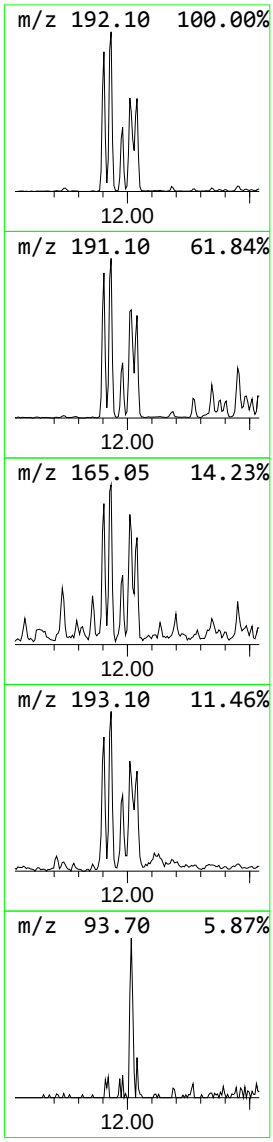
Peak Number 6 Phenanthrene, 1-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.039	3.33 ng	199024	Phenanthrene-d10	11.404

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	87
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	87
3	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	87
4	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	86
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	86





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Misc :
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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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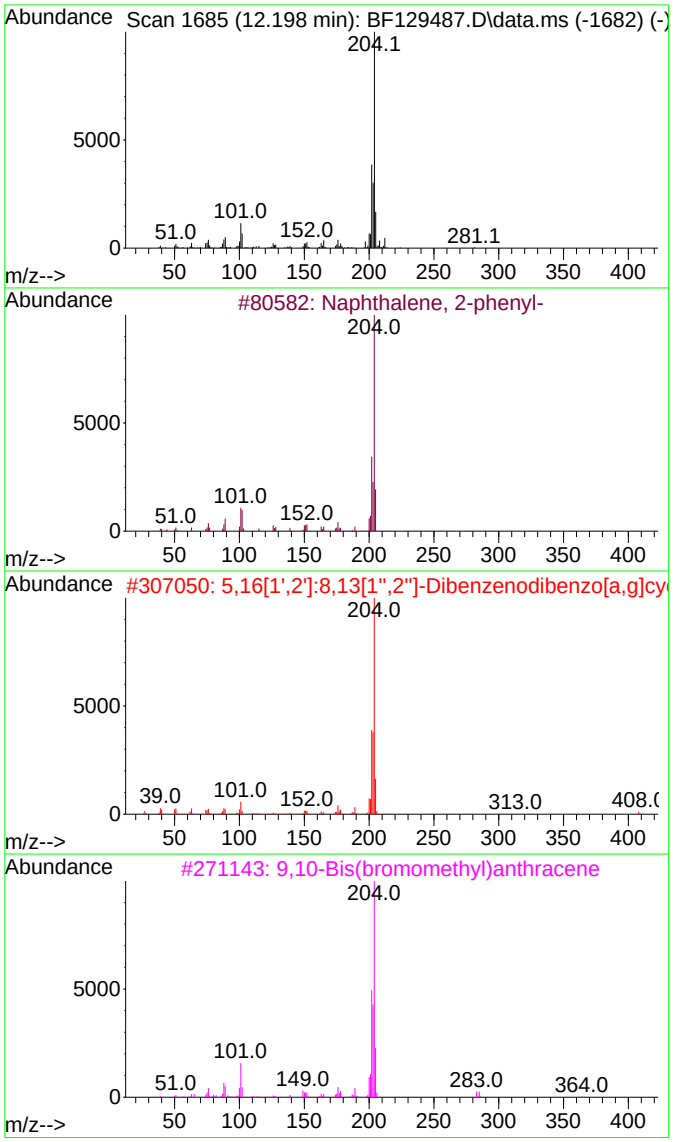
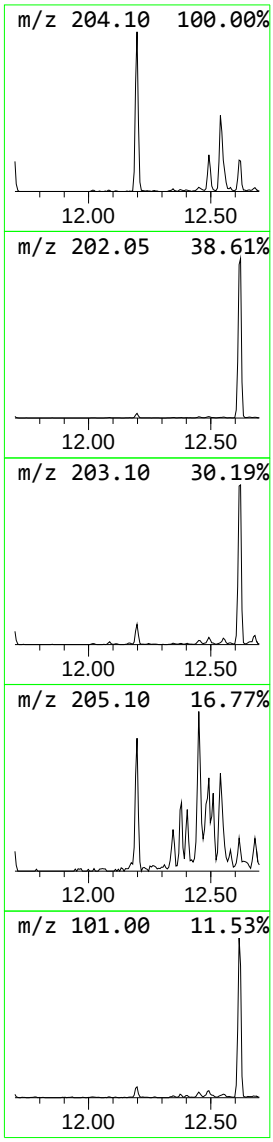
Peak Number 7 Naphthalene, 2-phenyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.198	2.74 ng	163816	Phenanthrene-d10	11.404

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	93
2	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	64
3	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	62
4	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	62
5	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	49





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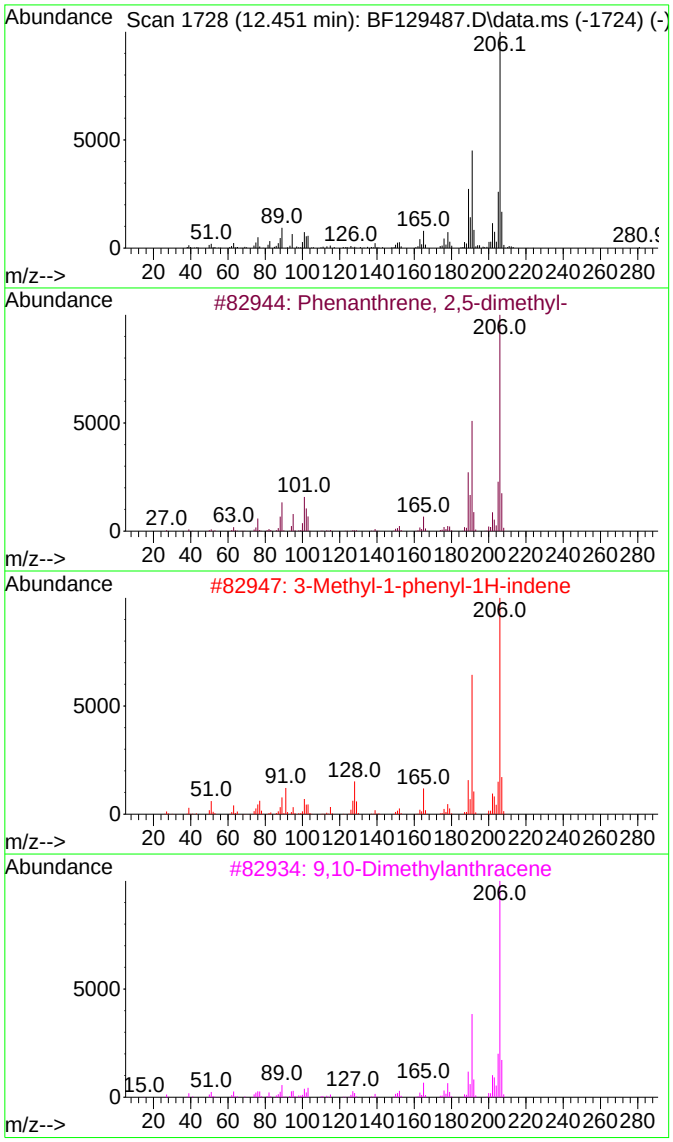
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

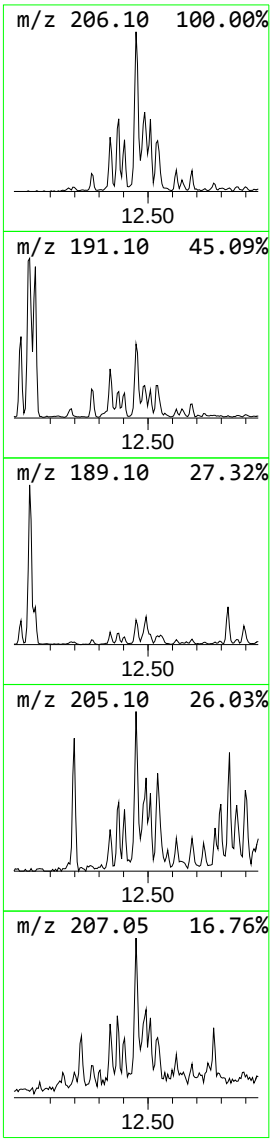
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 8 Phenanthrene, 2,5-dimethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.451	3.64 ng	217489	Phenanthrene-d10	11.404

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	98
2	3-Methyl-1-phenyl-1H-indene	206	C16H14	022360-63-0	93
3	9,10-Dimethylanthracene	206	C16H14	000781-43-1	93
4	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	93
5	di-p-Tolylacetylene	206	C16H14	002789-88-0	91





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ALS Vial : 13 Sample Multiplier: 1

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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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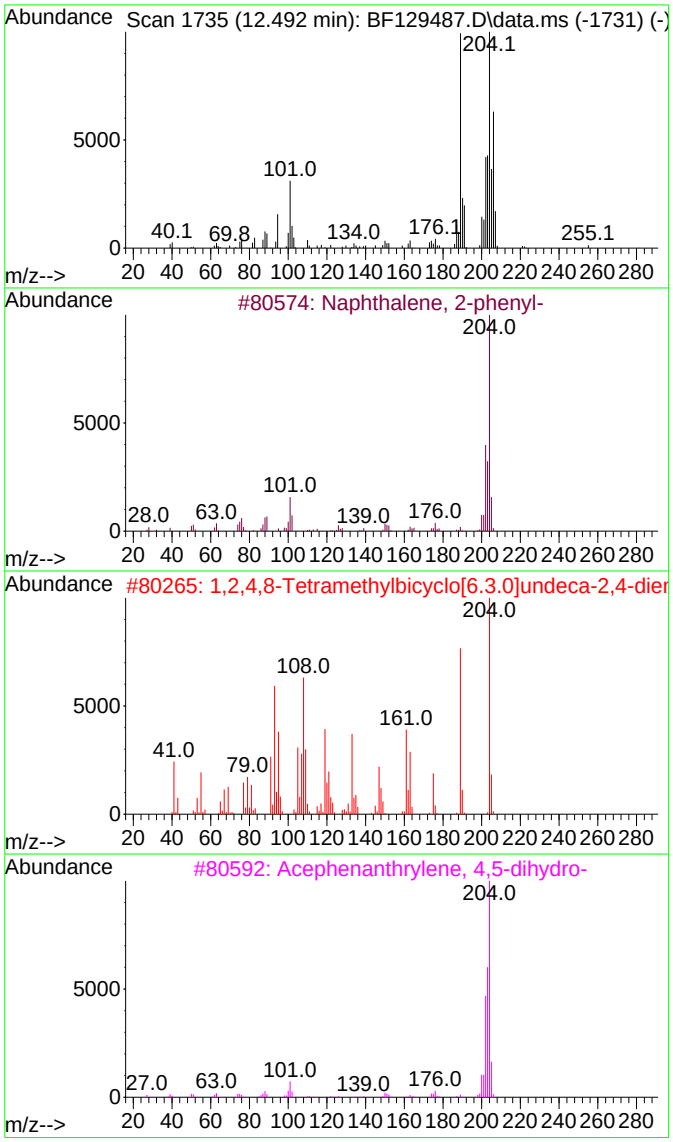
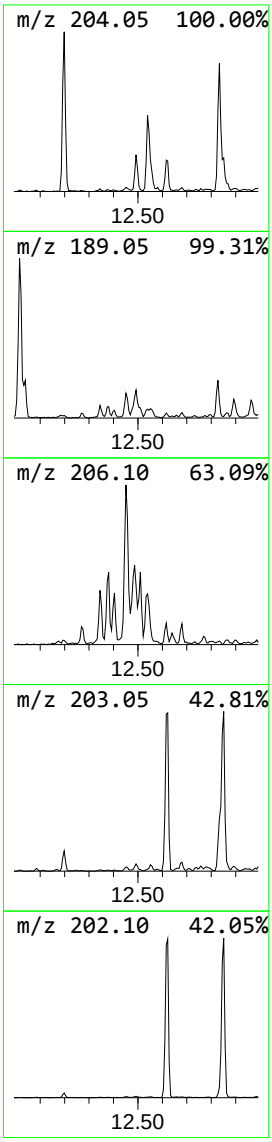
Peak Number 9 unknown12.492 Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.492	2.87 ng	171573	Phenanthrene-d10	11.404

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	42
2	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	35
3	Acephenanthrylene, 4,5-dihydro-	204	C16H12	006232-48-0	25
4	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	22
5	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	18





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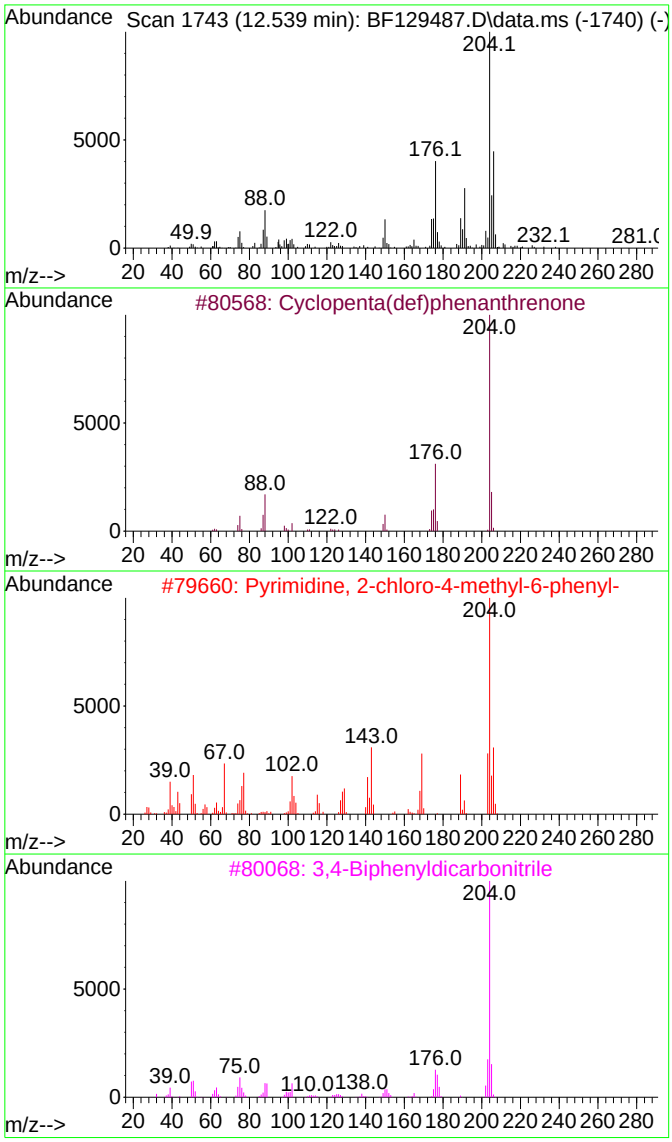
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

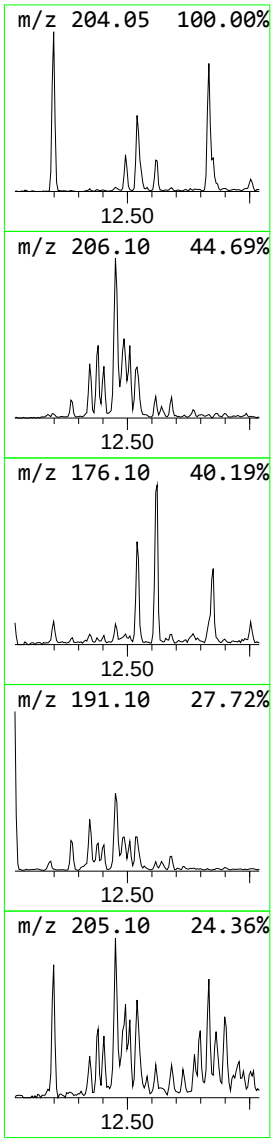
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 10 Cyclopenta(def)phenanthrenone Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.539	3.01 ng	179758	Phenanthrene-d10	11.404

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	96
2	Pyrimidine, 2-chloro-4-methyl-6-...	204	C11H9ClN2	032785-40-3	47
3	3,4-Biphenyldicarbonitrile	204	C14H8N2	004128-63-6	43
4	[1,1'-Biphenyl]-4-ol, 4'-chloro-	204	C12H9ClO	028034-99-3	43
5	2-Chloro-4-phenylphenol	204	C12H9ClO	000092-04-6	43





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Misc :
ALS Vial : 13 Sample Multiplier: 1

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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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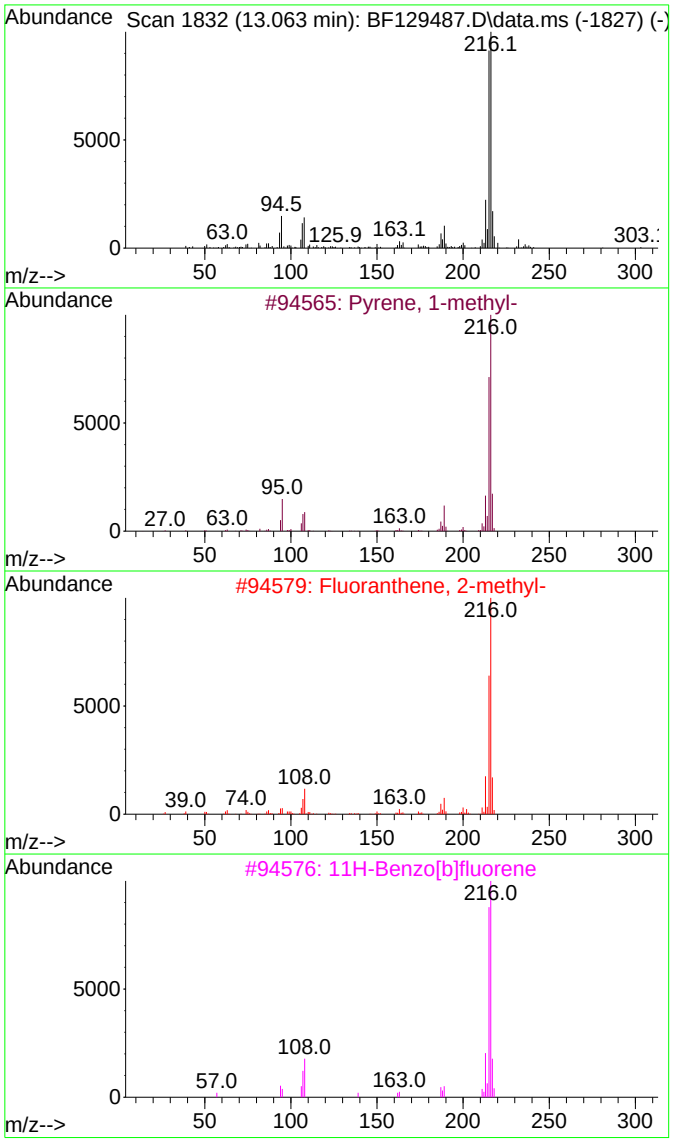
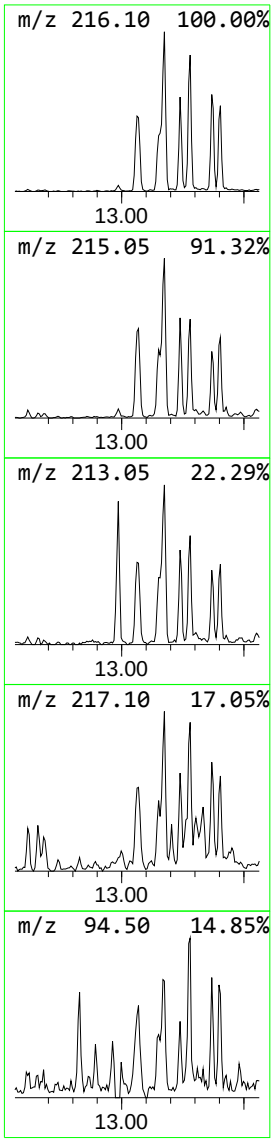
Peak Number 11 Pyrene, 1-methyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.063	2.23 ng	260808	Chrysene-d12	14.045

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	95
2	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	95
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	94
4	Pyrene, 2-methyl-	216	C17H12	003442-78-2	92
5	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	87





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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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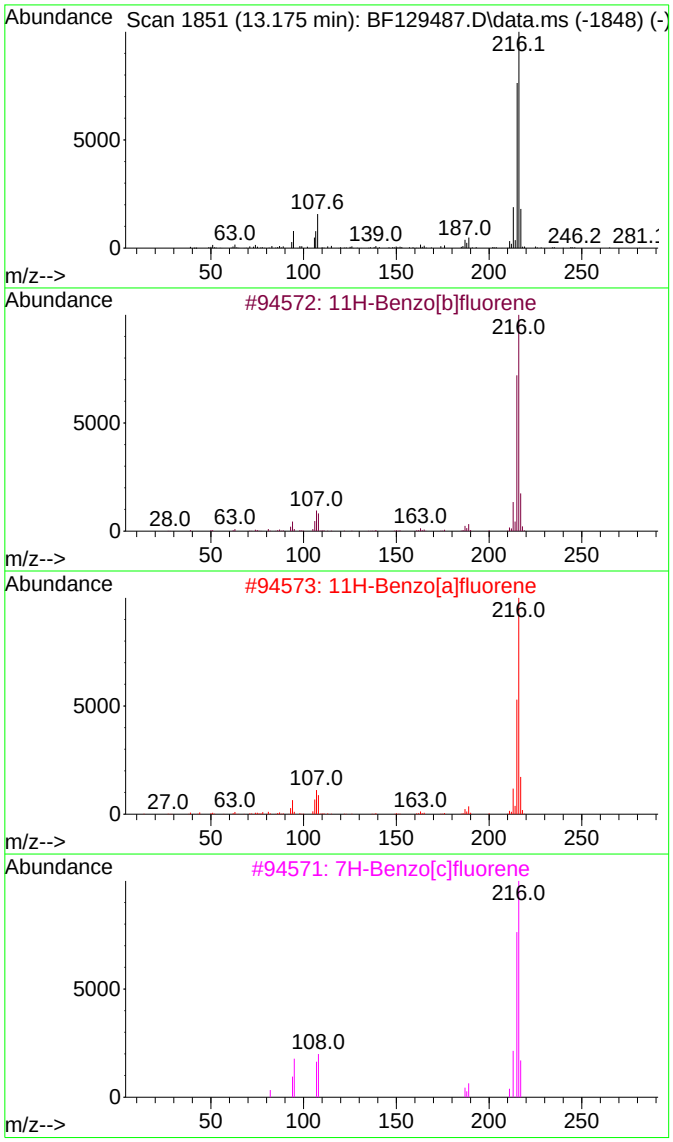
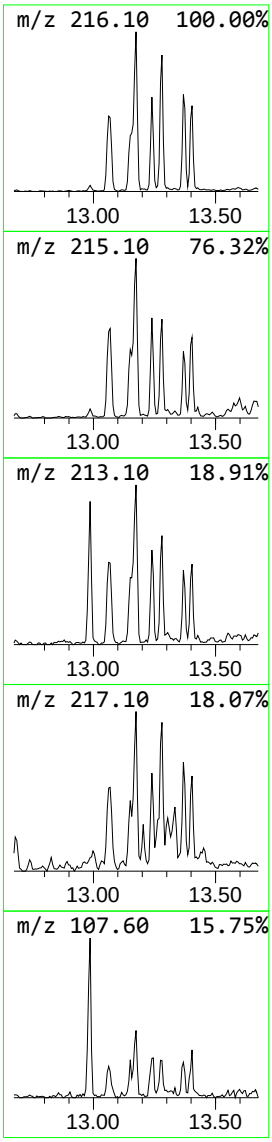
Peak Number 12 11H-Benzo[b]fluorene Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.175	2.18 ng	254732	Chrysene-d12	14.045

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	95
2	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	94
3	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	87
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	87
5	Pyrene, 1-methyl-	216	C17H12	002381-21-7	87





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Misc :
ALS Vial : 13 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

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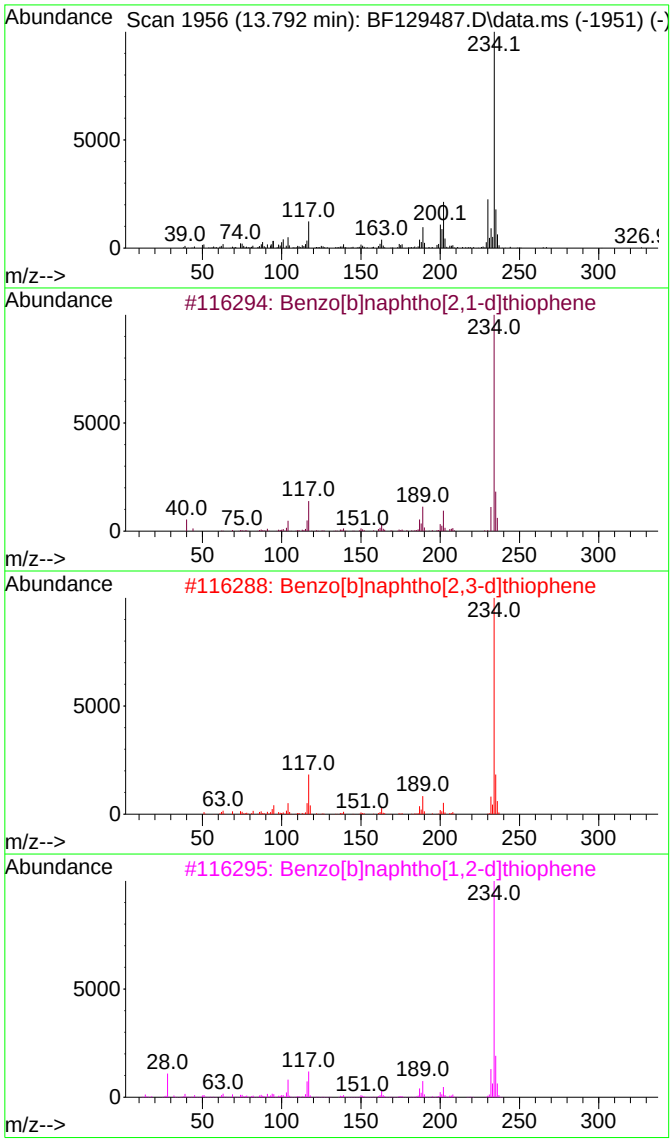
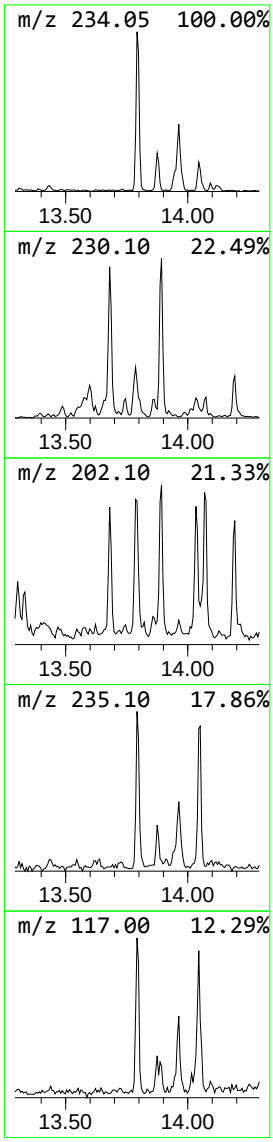
Peak Number 13 Benzo[b]naphtho[2,1-d]thiop... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.792	2.23 ng	261255	Chrysene-d12	14.045

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	96
2	Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	95
3	Benzo[b]naphtho[1,2-d]thiophene	234	C16H10S	000205-43-6	70
4	Quinoxalino[2,3-b]quinoxaline, 5...	234	C14H10N4	000531-46-4	47
5	pyrido[1',2':1,2]imidazo[4,5-b]q...	234	C14H10N4	1000401-06-3	47





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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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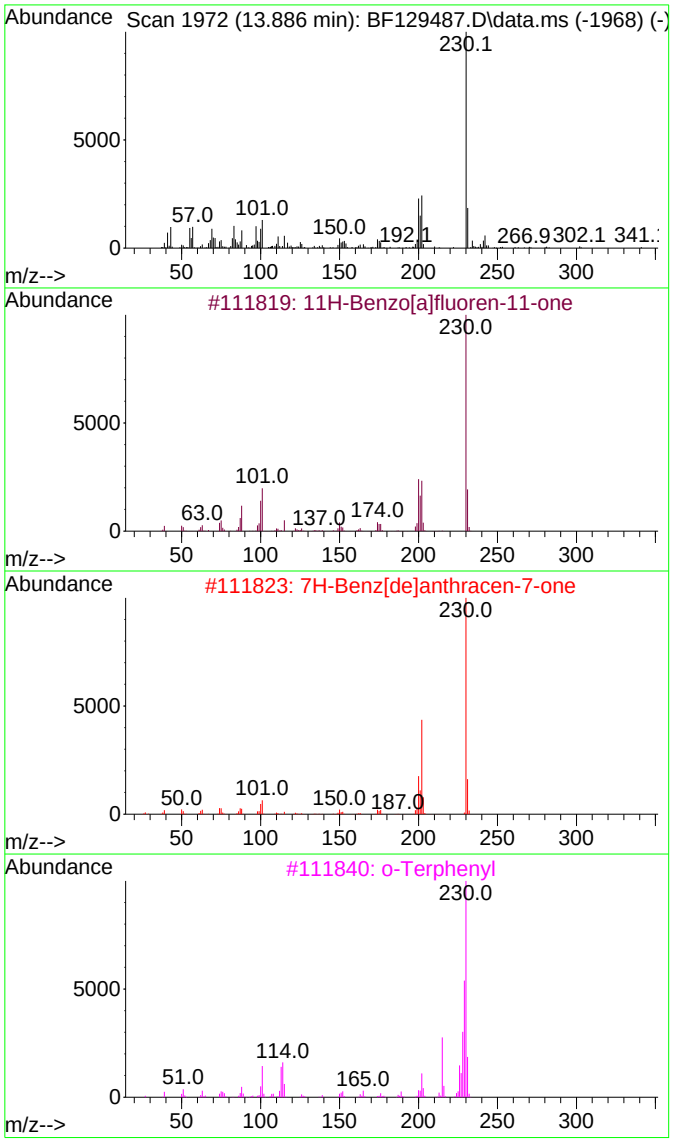
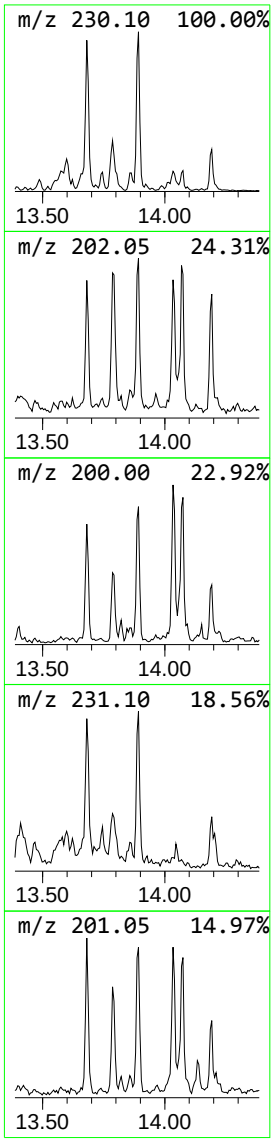
Peak Number 14 11H-Benzo[a]fluoren-11-one Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.886	3.46 ng	405184	Chrysene-d12	14.045

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluoren-11-one	230	C17H10O	000479-79-8	93
2	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	76
3	o-Terphenyl	230	C18H14	000084-15-1	50
4	Pyrene, 1,3-dimethyl-	230	C18H14	064401-21-4	50
5	m-Terphenyl	230	C18H14	000092-06-8	47





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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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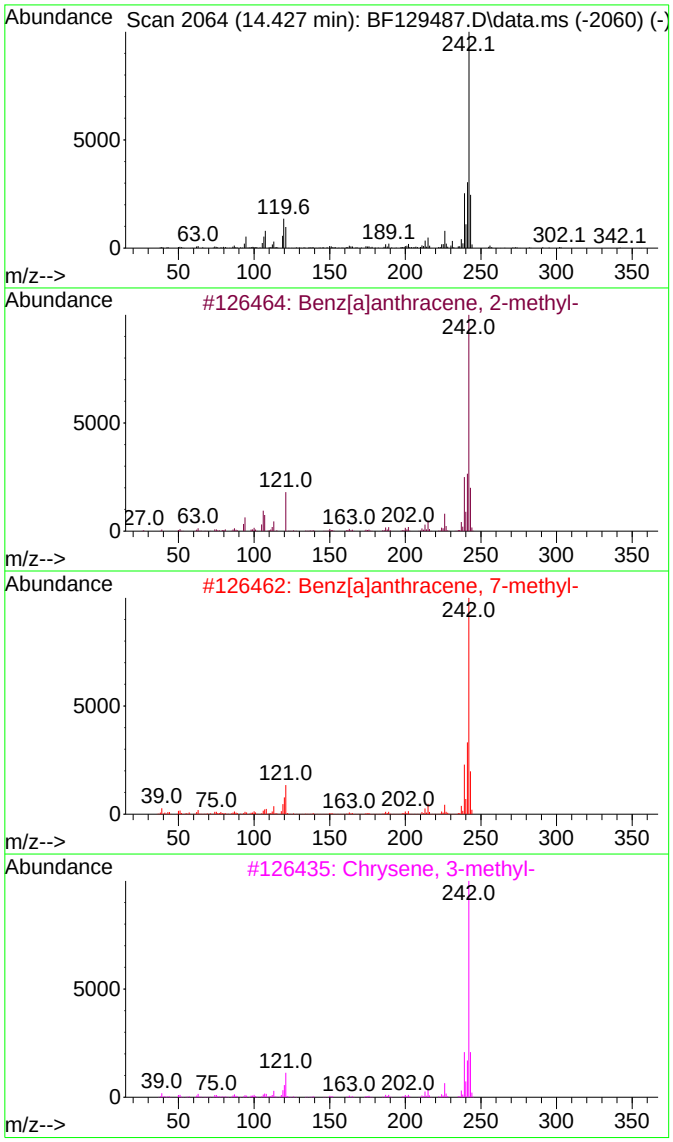
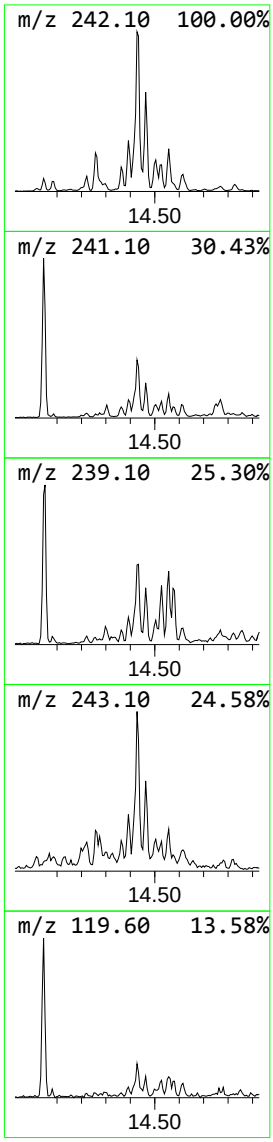
Peak Number 15 Benz[a]anthracene, 2-methyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.427	2.64 ng	308838	Chrysene-d12	14.045

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benz[a]anthracene, 2-methyl-	242	C19H14	002498-76-2	97
2	Benz[a]anthracene, 7-methyl-	242	C19H14	002541-69-7	94
3	Chrysene, 3-methyl-	242	C19H14	003351-31-3	94
4	Benz[a]anthracene, 12-methyl-	242	C19H14	002422-79-9	92
5	Triphenylene, 2-methyl-	242	C19H14	001705-84-6	92





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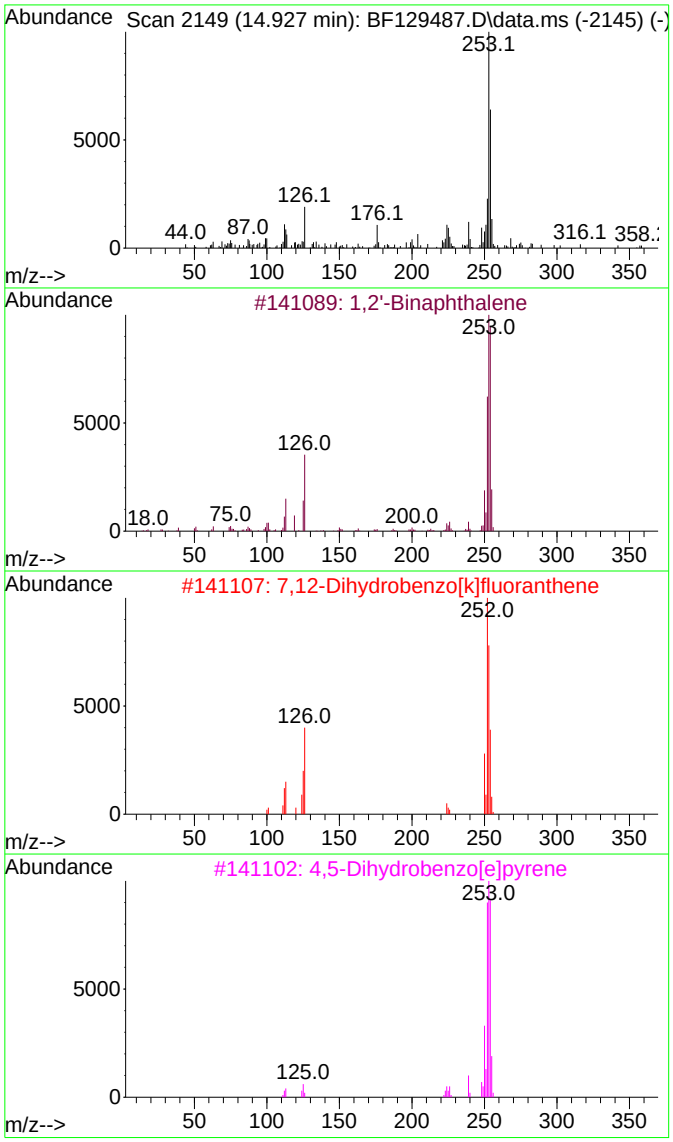
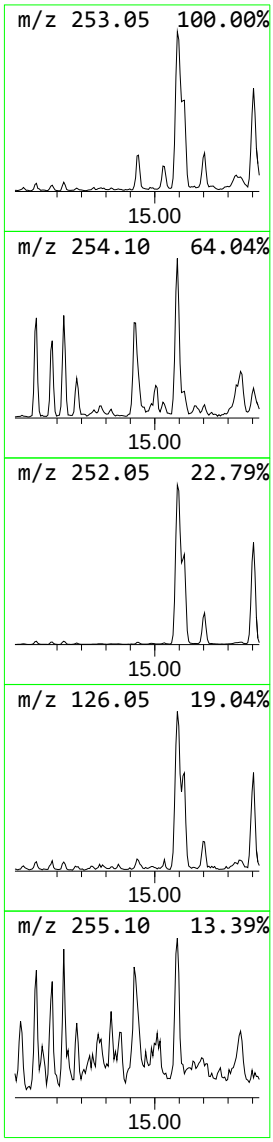
Peak Number 16 1,2'-Binaphthalene Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.927	2.04 ng	110586	Perylene-d12	15.533

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,2'-Binaphthalene	254	C20H14	004325-74-0	74
2	7,12-Dihydrobenzo[k]fluoranthene	254	C20H14	1000080-17-7	68
3	4,5-Dihydrobenzo[e]pyrene	254	C20H14	095676-42-9	58
4	1,2-Dihydrobenzo[b]fluoranthene	254	C20H14	100516-13-0	58
5	1,1'-Binaphthalene	254	C20H14	000604-53-5	55





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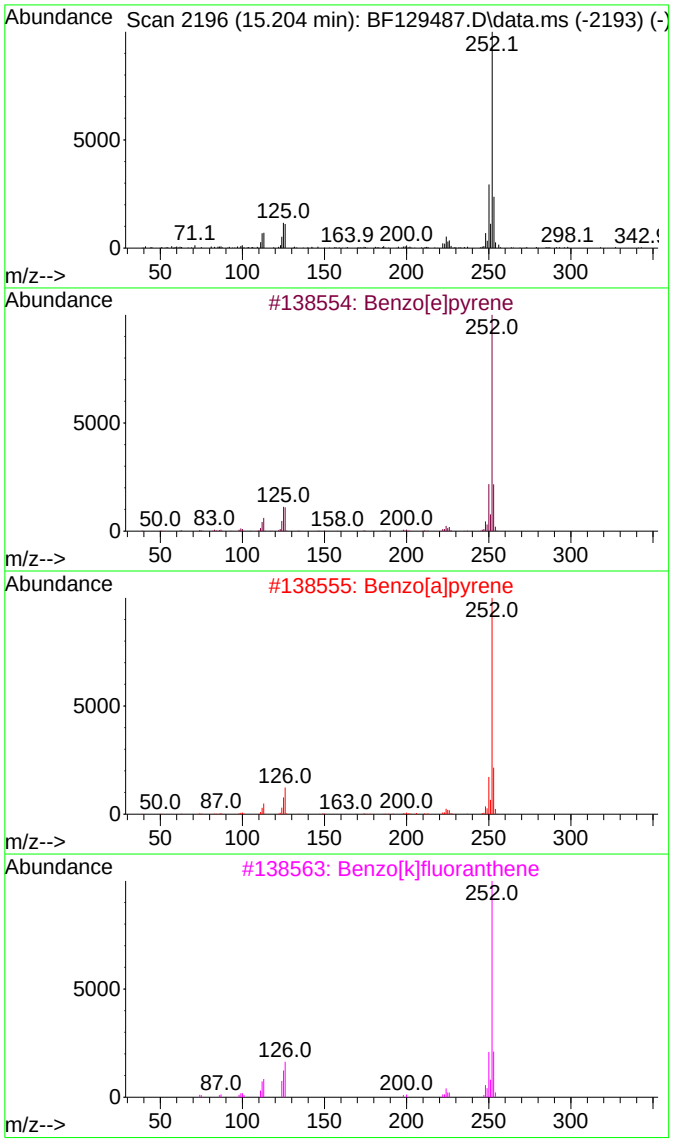
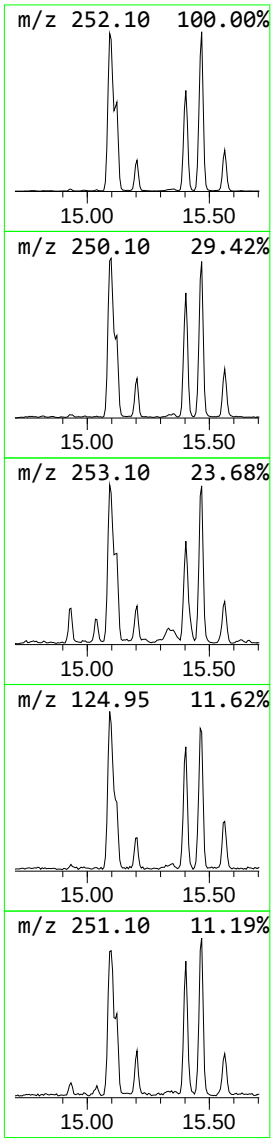
Peak Number 17 Benzo[e]pyrene Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.204	2.73 ng	148302	Perylene-d12	15.533

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	98
2	Benzo[a]pyrene	252	C20H12	000050-32-8	96
3	Benzo[k]fluoranthene	252	C20H12	000207-08-9	95
4	Benzo[b]fluoranthene	252	C20H12	000205-99-2	93
5	Benzo[j]fluoranthene	252	C20H12	000205-82-3	81





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Data File : BF129487.D
Acq On : 01 Aug 2022 22:34
Operator : CG\JU
Sample : N3970-01
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
MHB-UPPER

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF072522.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

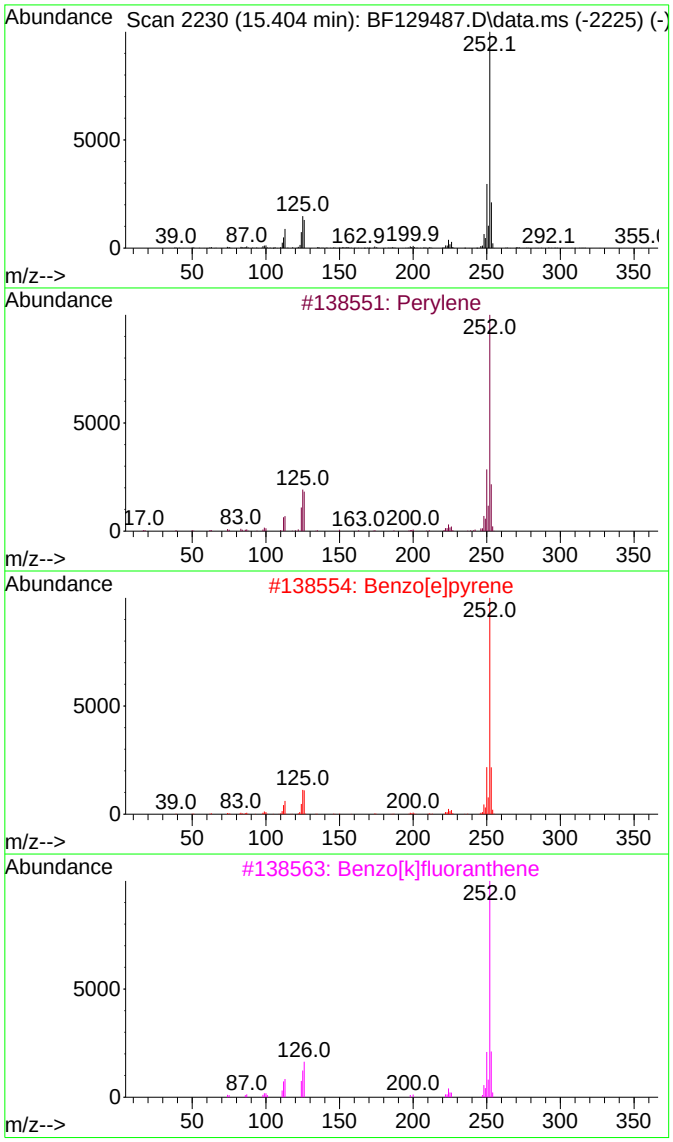
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

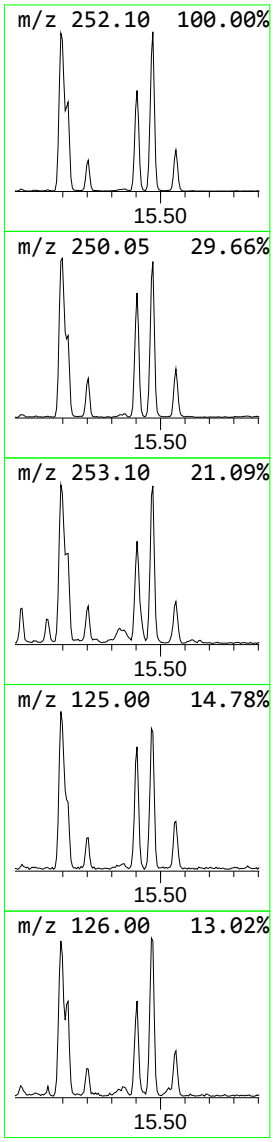
****

Peak Number 18 Perylene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.404	11.97 ng	649999	Perylene-d12	15.533

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[k]fluoranthene	252	C20H12	000207-08-9	98
4	Benzo[a]pyrene	252	C20H12	000050-32-8	98
5	Benzo[j]fluoranthene	252	C20H12	000205-82-3	95





Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080122\
Data File : BF129487.D
Acq On : 01 Aug 2022 22:34
Operator : CG\JU
Sample : N3970-01
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
MHB-UPPER

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF072522.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
Dibenzothiophene	11.298	2.2	ng	129785	4	11.404	1193720	20.0
Anthracene, 2-m...	11.904	5.4	ng	324371	4	11.404	1193720	20.0
Phenanthrene, 2...	11.933	6.3	ng	374741	4	11.404	1193720	20.0
Anthracene, 1-m...	11.980	2.5	ng	149029	4	11.404	1193720	20.0
Benzaldehyde, 3...	12.016	8.8	ng	524084	4	11.404	1193720	20.0
Phenanthrene, 1...	12.039	3.3	ng	199024	4	11.404	1193720	20.0
Naphthalene, 2-...	12.198	2.7	ng	163816	4	11.404	1193720	20.0
Phenanthrene, 2...	12.451	3.6	ng	217489	4	11.404	1193720	20.0
unknown12.492	12.492	2.9	ng	171573	4	11.404	1193720	20.0
Cyclopenta(def)...	12.539	3.0	ng	179758	4	11.404	1193720	20.0
Pyrene, 1-methyl-	13.063	2.2	ng	260808	5	14.045	2340020	20.0
11H-Benzo[b]flu...	13.175	2.2	ng	254732	5	14.045	2340020	20.0
Benzo[b]naphtho...	13.792	2.2	ng	261255	5	14.045	2340020	20.0
11H-Benzo[a]flu...	13.886	3.5	ng	405184	5	14.045	2340020	20.0
Benz[a]anthrace...	14.427	2.6	ng	308838	5	14.045	2340020	20.0
1,2'-Binaphthalene	14.927	2.0	ng	110586	6	15.533	1085920	20.0
Benzo[e]pyrene	15.204	2.7	ng	148302	6	15.533	1085920	20.0
Perylene	15.404	12.0	ng	649999	6	15.533	1085920	20.0