LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072523\
Data File : BF134464.D
Acq On : 25 Jul 2023 15:53
Operator : CG\JU
Sample : 03708-01 2X
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PL-02-072023

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-BF072423.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF134464.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.463	571	574	594	rBV	1606823	1608204	94.58%	8.216%
2	6.469	742	745	764	rBV	1628025	1700311	100.00%	8.686%
3	6.828	803	806	819	rBV	949245	857135	50.41%	4.379%
4	7.393	898	902	914	rBV	1211098	1021008	60.05%	5.216%
5	8.110	1021	1024	1027	rBV	1291539	1029379	60.54%	5.259%
6	8.822	1143	1145	1148	rBV	29710	26785	1.58%	0.137%
7	8.922	1157	1162	1166	rVB	40960	37350	2.20%	0.191%
8	9.187	1203	1207	1210	rBV	1245466	988844	58.16%	5.052%
9	9.298	1223	1226	1230	rVB2	16366	18580	1.09%	0.095%
10	9.457	1249	1253	1256	rBV3	21286	26297	1.55%	0.134%
11	9.522	1261	1264	1267	rBV	30714	31561	1.86%	0.161%
12	9.551	1267	1269	1273	rBV3	15219	17716	1.04%	0.091%
13	9.639	1282	1284	1292	rVB	17788	21831	1.28%	0.112%
14	9.728	1296	1299	1303	rBV	78743	69545	4.09%	0.355%
15	9.869	1319	1323	1326	rVV	593067	517451	30.43%	2.643%
16	9.898	1326	1328	1331	rVB	72166	55747	3.28%	0.285%
17	10.075	1353	1358	1362	rBV2	53175	53010	3.12%	0.271%
18	10.181	1372	1376	1379	rBV2	21620	26168	1.54%	0.134%
19	10.269	1388	1391	1393	rBV3	17709	19124	1.12%	0.098%
20	10.416	1413	1416	1422	rVB	109350	106738	6.28%	0.545%
21	10.481	1422	1427	1429	rBV2	18364	24824	1.46%	0.127%
22	10.575	1440	1443	1446	rVB	23123	20669	1.22%	0.106%
23	10.663	1454	1458	1463	rBV	580243	557874	32.81%	2.850%
24	10.781	1473	1478	1486	rBV7	20577	43537	2.56%	0.222%
25	10.969	1505	1510	1513	rBV2	32231	41625	2.45%	0.213%
26	11.051	1521	1524	1526	rVB	22875	18318	1.08%	0.094%
27	11.092	1527	1531	1534	rBV6	16226	25174	1.48%	0.129%
28	11.216	1548	1552	1554	rBV3	18284	25012	1.47%	0.128%
29	11.257	1556	1559	1565	rVB	49360	51957	3.06%	0.265%
30	11.363	1573	1577	1579	rBV	524193	462167	27.18%	2.361%
31	11.386	1579	1581	1584	rVV	672577	510837	30.04%	2.610%
32	11.439	1587	1590	1593	rVV	150913	131944	7.76%	0.674%
33	11.475	1593	1596	1601	rVB5	19046	30758	1.81%	0.157%
34	11.598	1614	1617	1622	rBV	43663	59108	3.48%	0.302%
35	11.651	1624	1626	1631	rVV2	25683	35805	2.11%	0.183%
36	11.692	1631	1633	1638	rVB2	26400	32915	1.94%	0.168%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072523\
Data File : BF134464.D
Acq On : 25 Jul 2023 15:53
Operator : CG\JU
Sample : 03708-01 2X
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PL-02-072023

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-BF072423.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	11.775	1645	1647	1650	rVB	20265	20256	1.19%	0.103%
38	11.863	1659	1662	1664	rBV	90343	85233	5.01%	0.435%
39	11.892	1664	1667	1673	rVV	317224	320638	18.86%	1.638%
40	11.945	1673	1676	1679	rVV	49546	52295	3.08%	0.267%
41	11.980	1679	1682	1684	rVV2	210510	208256	12.25%	1.064%
42	11.998	1684	1685	1689	rVB	75258	58448	3.44%	0.299%
43	12.051	1692	1694	1697	rBV4	15099	19345	1.14%	0.099%
44	12.163	1710	1713	1717	rBV	68773	67720	3.98%	0.346%
45	12.198	1717	1719	1723	rVB	43161	38298	2.25%	0.196%
46	12.310	1736	1738	1741	rVB	23712	22365	1.32%	0.114%
47	12.345	1741	1744	1746	rBV	35679	31146	1.83%	0.159%
48	12.369	1746	1748	1751	rVB2	24254	20252	1.19%	0.103%
49	12.416	1753	1756	1759	rBV	83054	88288	5.19%	0.451%
50	12.457	1759	1763	1765	rVV2	58795	69236	4.07%	0.354%
51	12.510	1769	1772	1776	rBV3	62688	83100	4.89%	0.425%
52	12.586	1781	1785	1788	rBV	1183452	1010849	59.45%	5.164%
53	12.628	1790	1792	1794	rVV2	43203	44592	2.62%	0.228%
54	12.651	1794	1796	1798	rVV2	33416	32442	1.91%	0.166%
55	12.680	1798	1801	1806	rVV	103904	124494	7.32%	0.636%
56	12.733	1808	1810	1813	rVV	55133	65471	3.85%	0.334%
57	12.763	1813	1815	1818	rVV3	26150	25373	1.49%	0.130%
58	12.816	1818	1824	1830	rVV	1004729	1074422	63.19%	5.489%
59	12.869	1830	1833	1836	rVB2	55824	63078	3.71%	0.322%
60	12.957	1842	1848	1851	rBV	814102	738472	43.43%	3.772%
61	13.033	1857	1861	1866	rBV2	72495	123147	7.24%	0.629%
62	13.145	1873	1880	1883	rBV	153372	230432	13.55%	1.177%
63	13.216	1889	1892	1894	rBV	111942	100114	5.89%	0.511%
64	13.251	1894	1898	1905	rBV2	124295	145515	8.56%	0.743%
65	13.345	1911	1914	1917	rBV	72303	69146	4.07%	0.353%
66	13.375	1917	1919	1923	rBV	74266	68289	4.02%	0.349%
67	13.633	1961	1963	1965	rBV2	28773	24484	1.44%	0.125%
68	13.663	1965	1968	1972	rVB	69041	70798	4.16%	0.362%
69	13.774	1984	1987	1989	rBV	83200	74358	4.37%	0.380%
70	13.798	1989	1991	1993	rVB	72033	53301	3.13%	0.272%
71	13.822	1993	1995	1997	rBV	67978	66019	3.88%	0.337%
72	13.874	2001	2004	2007	rVB	83986	83521	4.91%	0.427%
73	14.022	2024	2029	2032	rBV2	612420	934341	54.95%	4.773%
74	14.051	2032	2034	2041	rVB	520054	446644	26.27%	2.282%
75	14.133	2045	2048	2050	rVB	78135	66792	3.93%	0.341%
76	14.180	2053	2056	2061	rBV3	62452	85055	5.00%	0.435%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072523\
Data File : BF134464.D
Acq On : 25 Jul 2023 15:53
Operator : CG\JU
Sample : 03708-01 2X
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PL-02-072023

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-BF072423.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

77	14.380	2087	2090	2091	rBV2	40365	35984	2.12%	0.184%
78	14.416	2091	2096	2099	rVV	120581	138498	8.15%	0.708%
79	14.451	2099	2102	2106	rVV2	60200	59694	3.51%	0.305%
80	14.539	2115	2117	2119	rBV	53146	41186	2.42%	0.210%
81	15.092	2206	2211	2214	rBV	370646	598331	35.19%	3.057%
82	15.204	2227	2230	2233	rVB	66445	76083	4.47%	0.389%
83	15.398	2260	2263	2270	rVB	199410	245564	14.44%	1.254%
84	15.468	2271	2275	2280	rVB	312080	393342	23.13%	2.009%
85	15.533	2282	2286	2289	rBV	198027	266479	15.67%	1.361%
86	17.074	2544	2548	2556	rVB2	118607	230589	13.56%	1.178%
87	17.551	2624	2629	2637	rVB	83351	178059	10.47%	0.910%

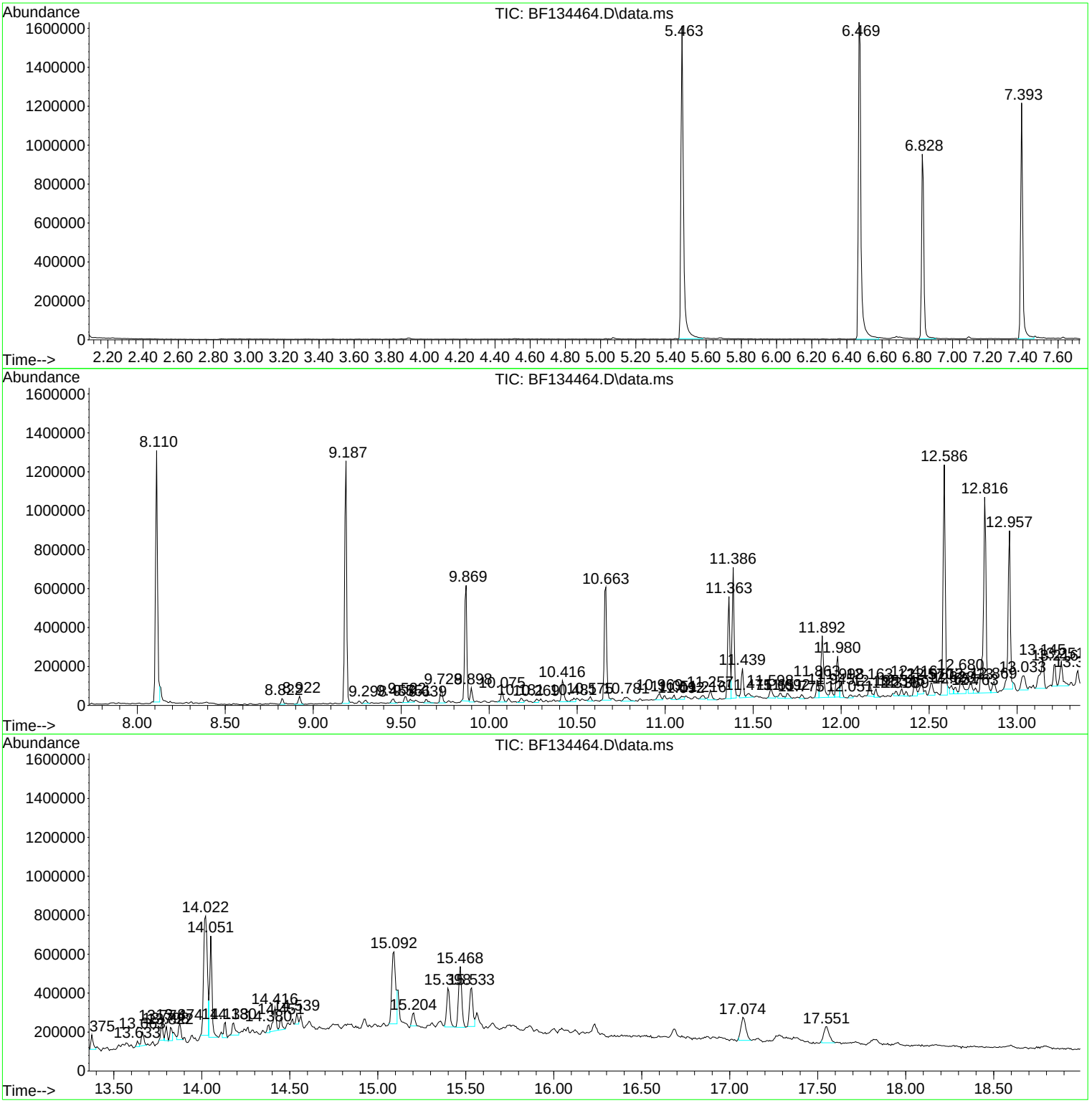
Sum of corrected areas: 19575142

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072523\
Data File : BF134464.D
Acq On : 25 Jul 2023 15:53
Operator : CG\JU
Sample : 03708-01 2X
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PL-02-072023

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF072423.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\BF072523\
Data File : BF134464.D
Acq On : 25 Jul 2023 15:53
Operator : CG\JU
Sample : 03708-01 2X
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PL-02-072023

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF072423.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

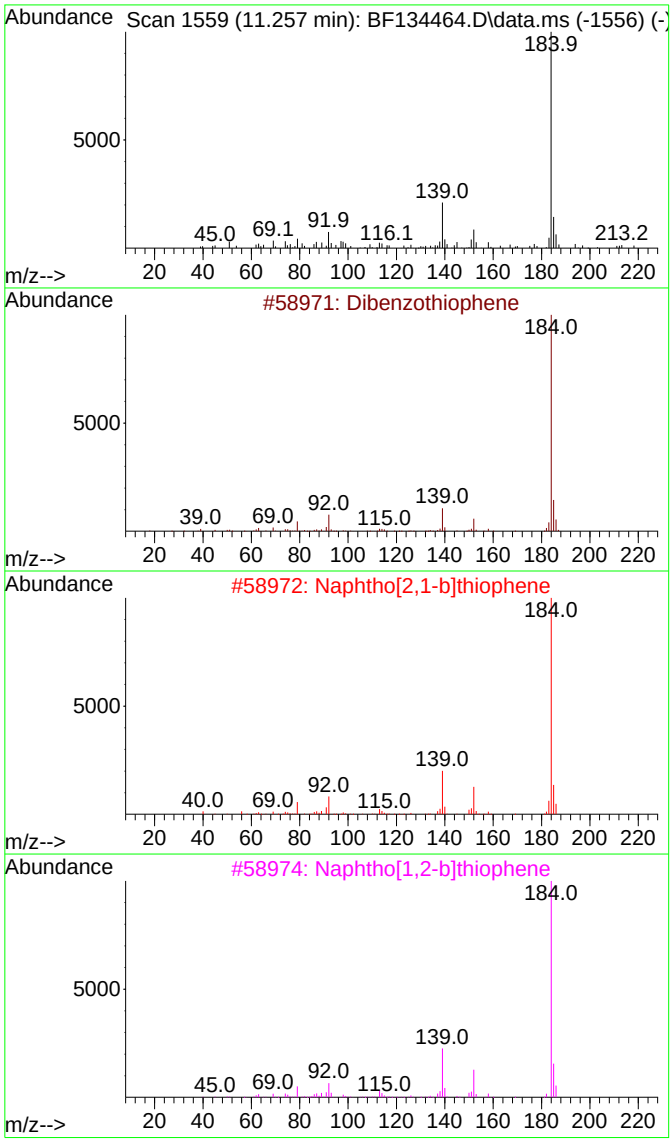
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

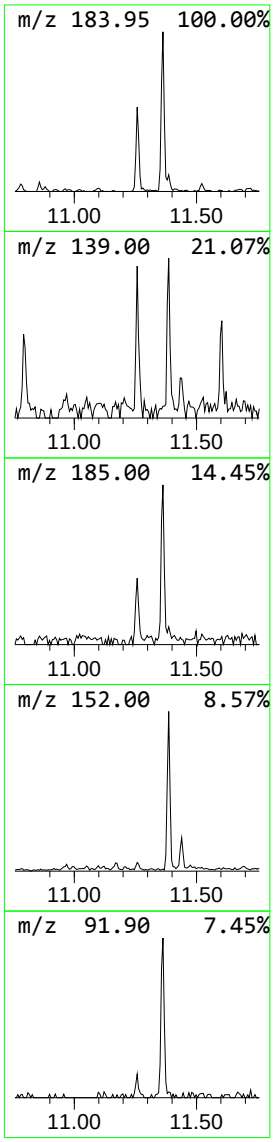
****

Peak Number 2 Dibenzothiophene Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.257	2.25 ng	51957	Phenanthrene-d10	11.363

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene	184	C12H8S	000132-65-0	94
2	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	90
3	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	90
4	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	90
5	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	87





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072523\
Data File : BF134464.D
Acq On : 25 Jul 2023 15:53
Operator : CG\JU
Sample : 03708-01 2X
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PL-02-072023

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF072423.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

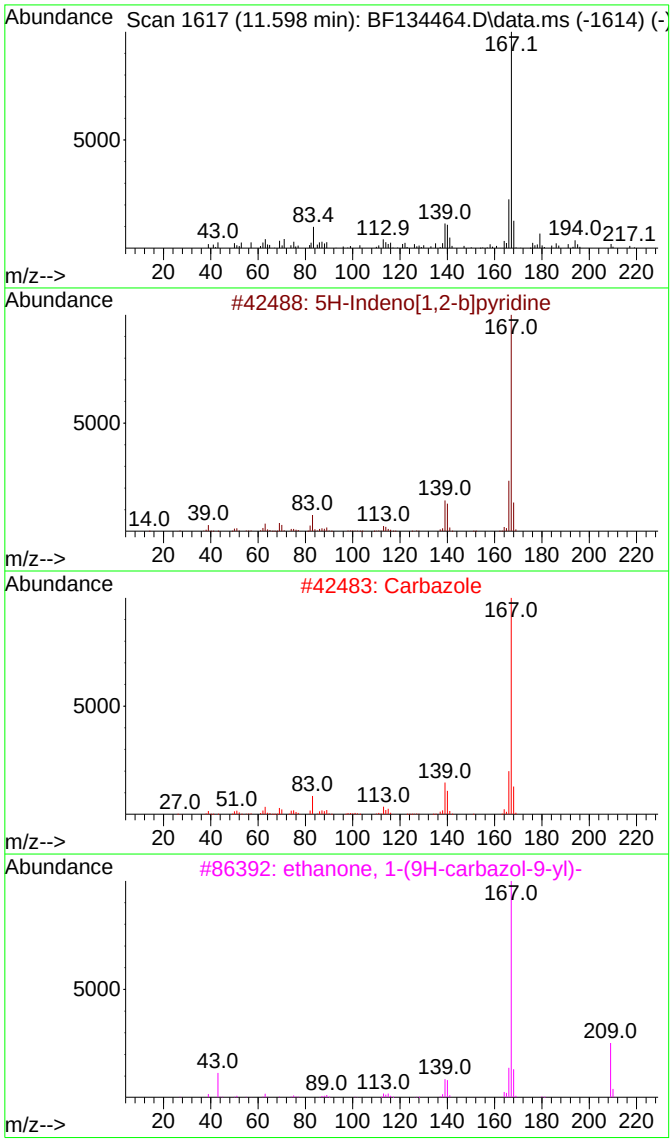
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

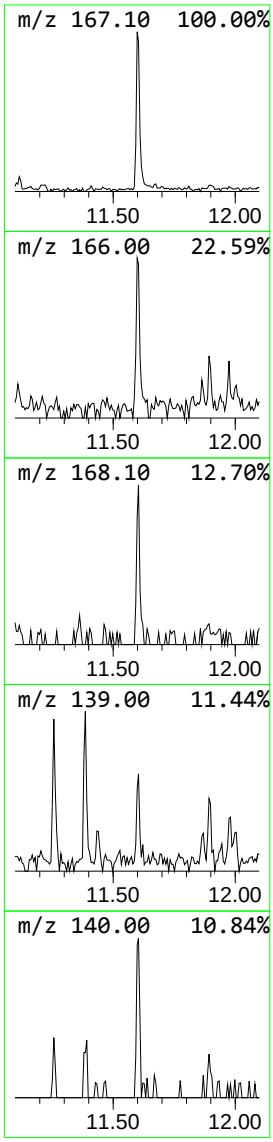
****

Peak Number 3 5H-Indeno[1,2-b]pyridine Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.598	2.56 ng	59108	Phenanthrene-d10	11.363

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5H-Indeno[1,2-b]pyridine	167	C12H9N	000244-99-5	87
2	Carbazole	167	C12H9N	000086-74-8	87
3	ethanone, 1-(9H-carbazol-9-yl)-	209	C14H11NO	1000400-59-5	81
4	9H-Carbazole, 9-nitroso-	196	C12H8N2O	002788-23-0	80
5	4H-1,3,2-Dioxaborin, 2-ethyl-4-m...	210	C12H23BO2	074421-10-6	74





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072523\
Data File : BF134464.D
Acq On : 25 Jul 2023 15:53
Operator : CG\JU
Sample : 03708-01 2X
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PL-02-072023

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF072423.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

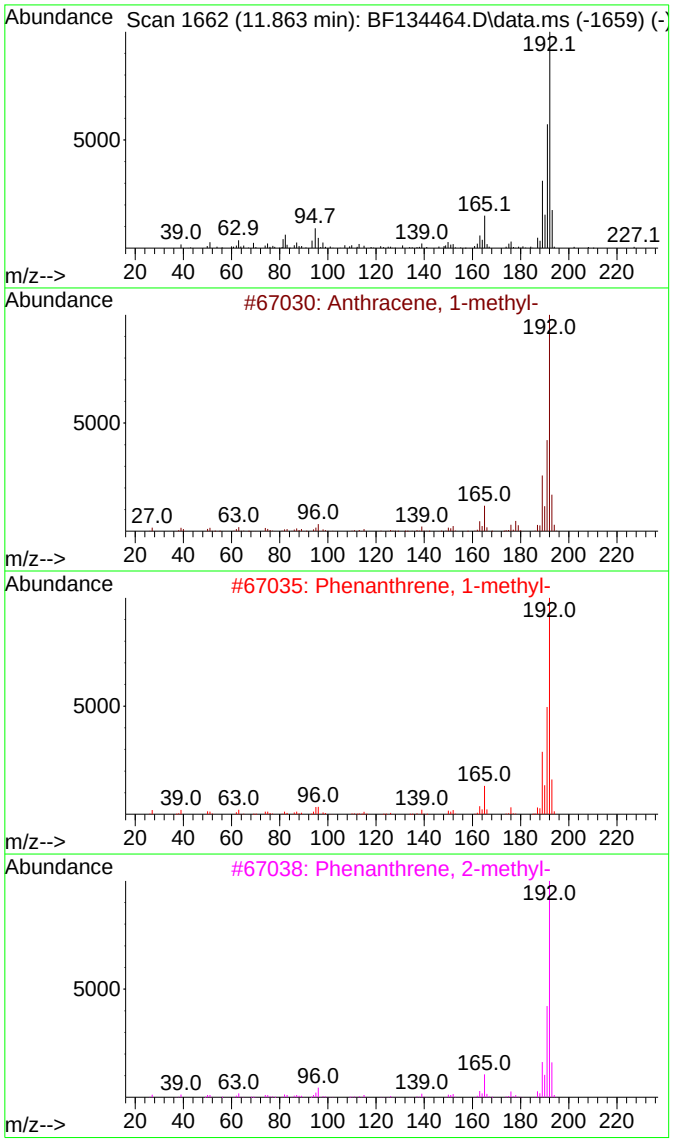
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

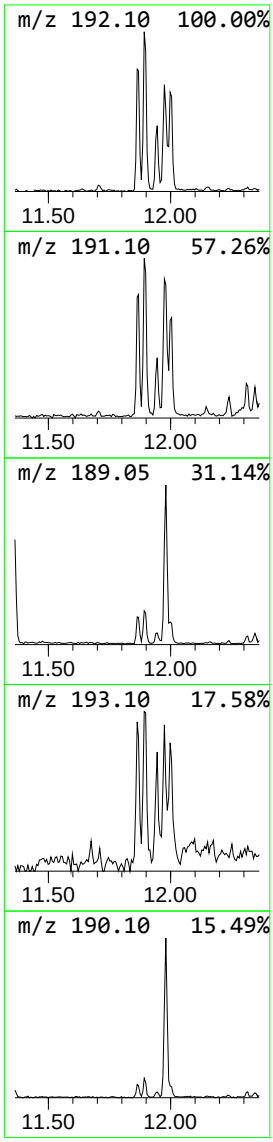
****

Peak Number 4 Anthracene, 1-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.863	3.69 ng	85233	Phenanthrene-d10	11.363

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 1-methyl-	192	C15H12	000610-48-0	95
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	93
5	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	93





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072523\
Data File : BF134464.D
Acq On : 25 Jul 2023 15:53
Operator : CG\JU
Sample : 03708-01 2X
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PL-02-072023

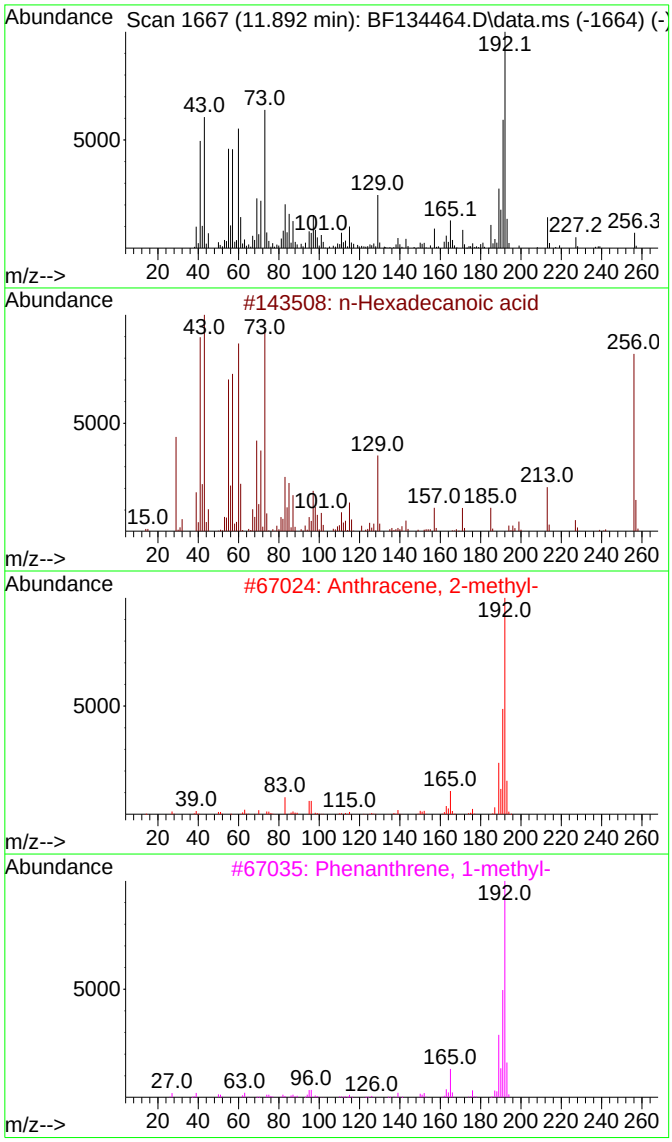
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF072423.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

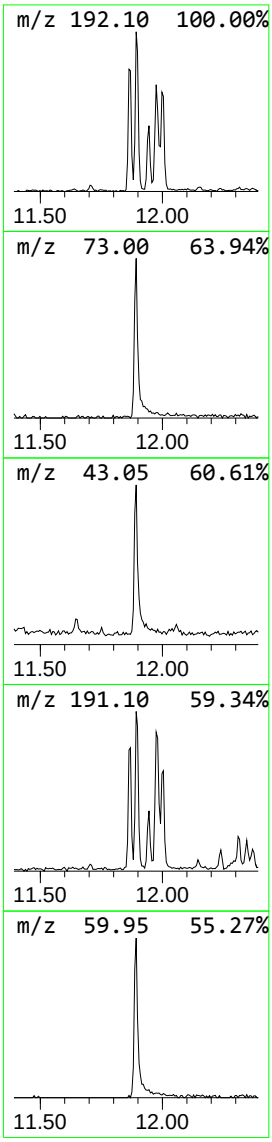
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 5 n-Hexadecanoic acid Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.892	13.88 ng	320638	Phenanthrene-d10	11.363

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	93
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	91
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	91
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	91
5	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	90





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072523\
Data File : BF134464.D
Acq On : 25 Jul 2023 15:53
Operator : CG\JU
Sample : 03708-01 2X
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PL-02-072023

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF072423.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

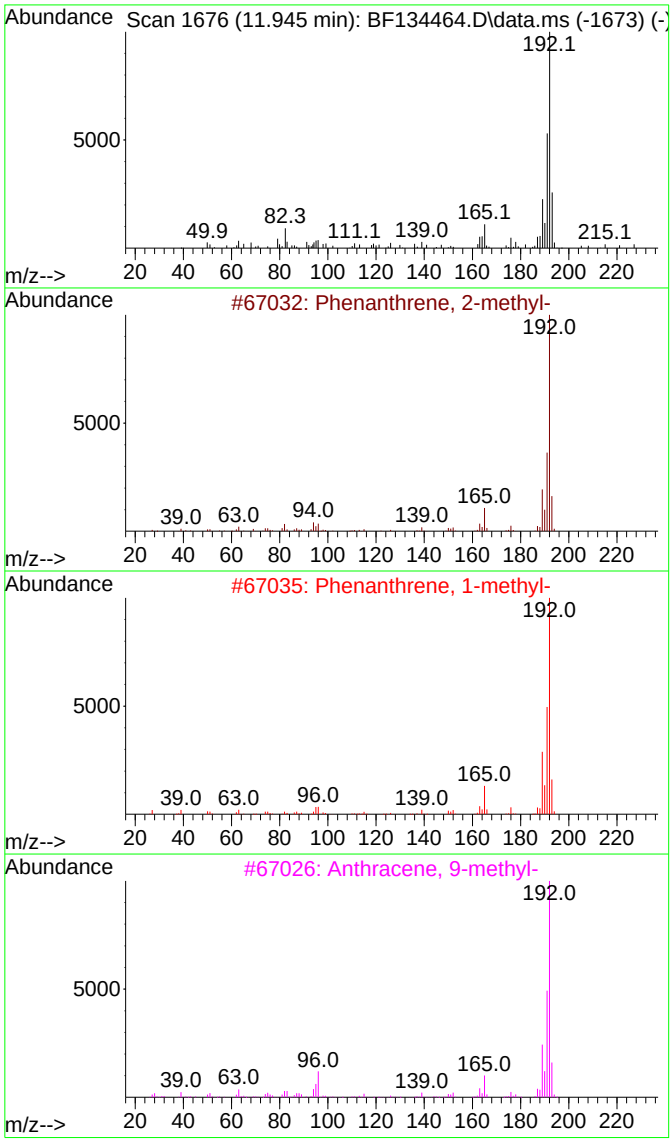
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

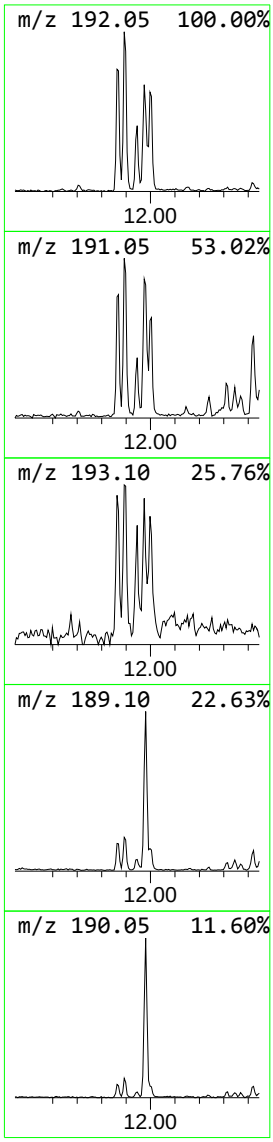
****

Peak Number 6 Phenanthrene, 2-methyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.945	2.26 ng	52295	Phenanthrene-d10	11.363

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	81
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	81
3	Anthracene, 9-methyl-	192	C15H12	000779-02-2	81
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	81
5	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	81





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072523\
Data File : BF134464.D
Acq On : 25 Jul 2023 15:53
Operator : CG\JU
Sample : 03708-01 2X
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PL-02-072023

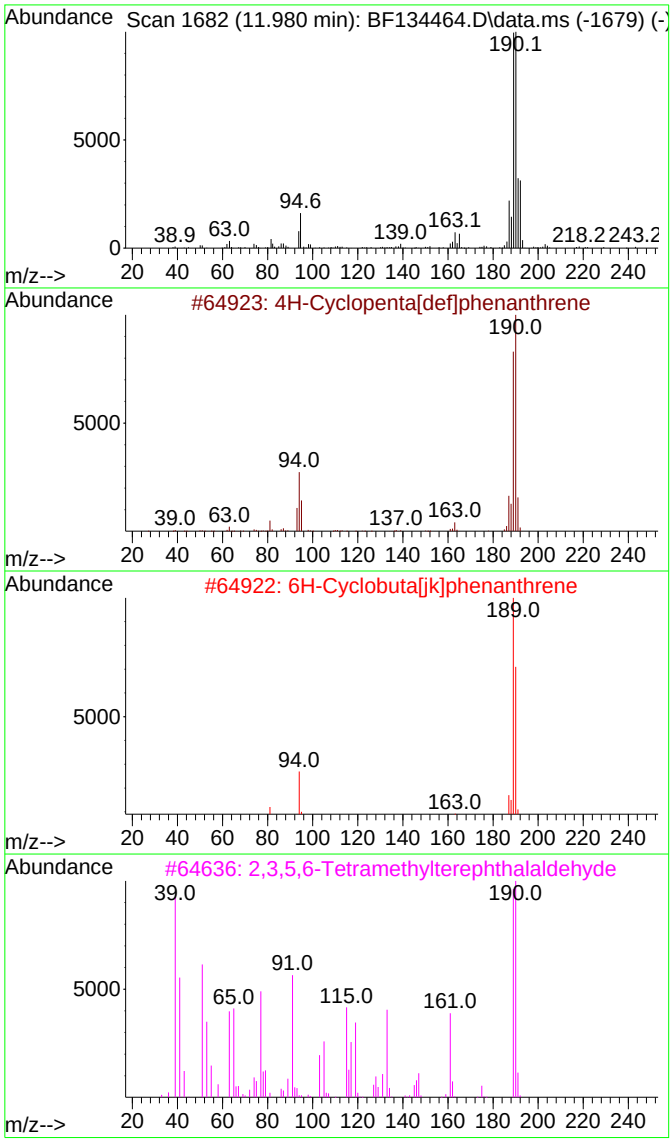
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF072423.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

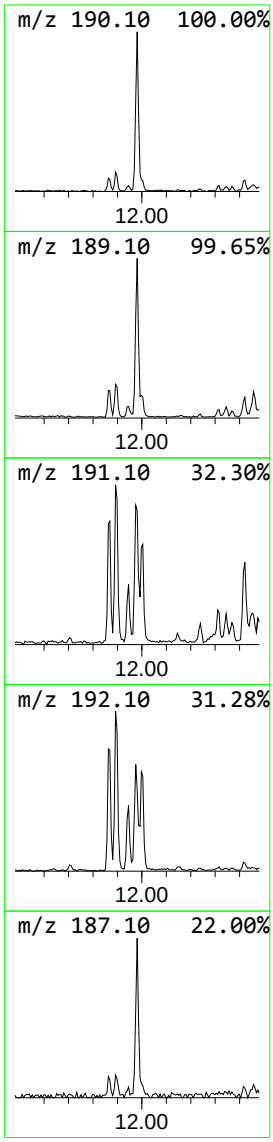
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 7 4H-Cyclopenta[def]phenanthrene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.980	9.01 ng	208256	Phenanthrene-d10	11.363

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	81
2	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	50
3	2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	50
4	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	45
5	2,4(1H,3H)-Pyrimidinedione, 5-br...	190	C4H3BrN2O2	000051-20-7	25





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PL-02-072023

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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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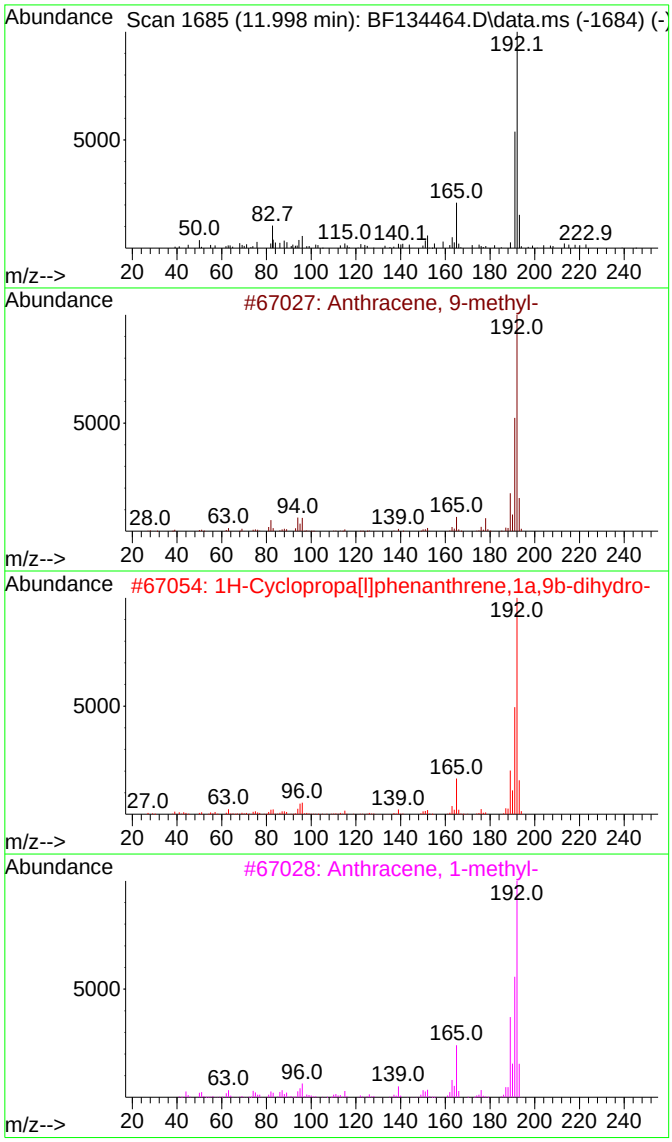
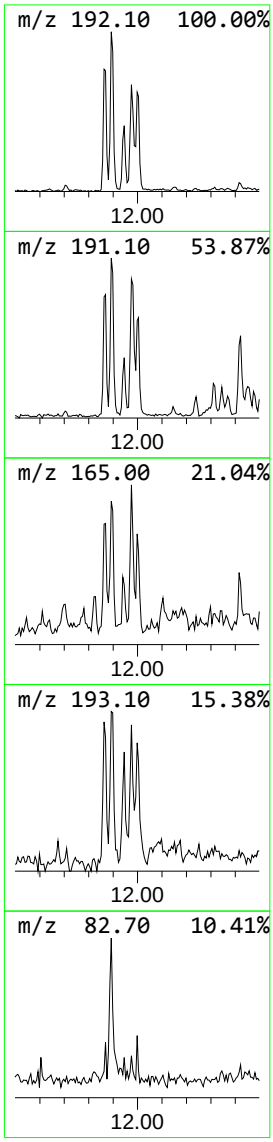
Peak Number 8 Anthracene, 9-methyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.998	2.53 ng	58448	Phenanthrene-d10	11.363

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 9-methyl-	192	C15H12	000779-02-2	91
2	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	90
3	Anthracene, 1-methyl-	192	C15H12	000610-48-0	90
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	87
5	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	87





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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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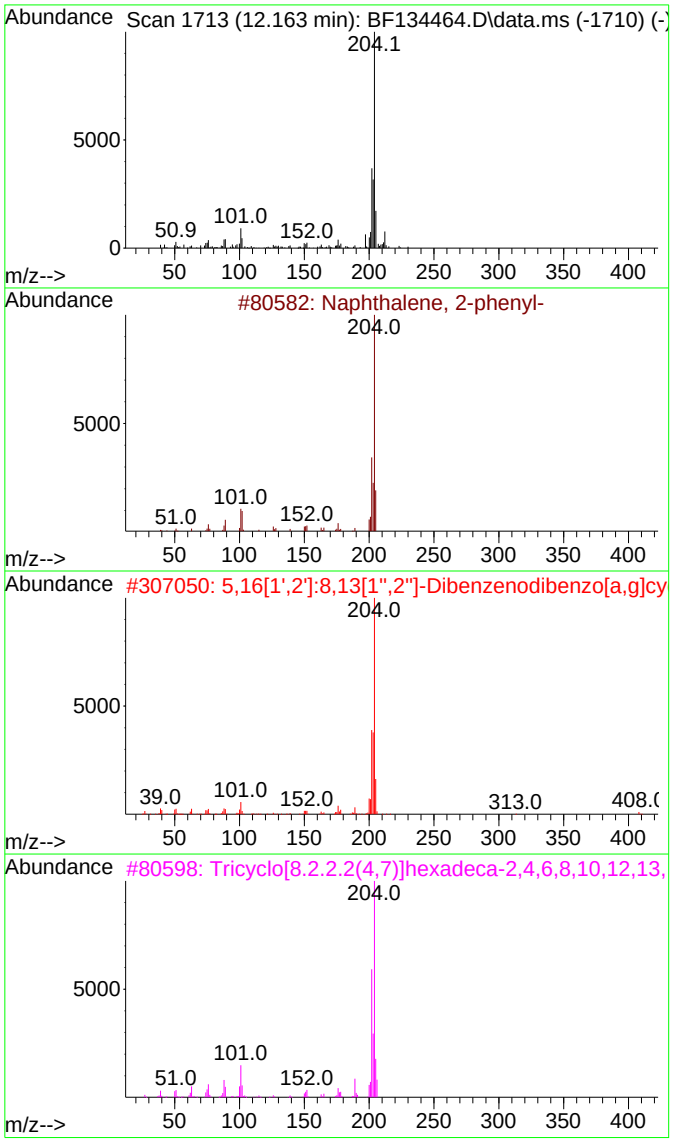
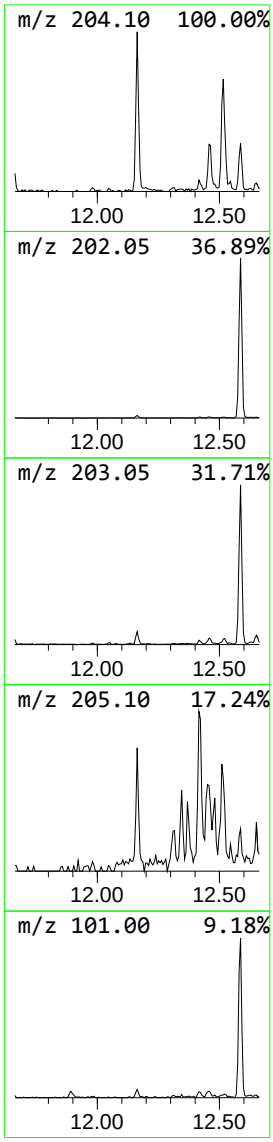
Peak Number 9 Naphthalene, 2-phenyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.163	2.93 ng	67720	Phenanthrene-d10	11.363

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	89
2	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	87
3	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	81
4	3,4-Biphenyldicarbonitrile	204	C14H8N2	004128-63-6	52
5	[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	50





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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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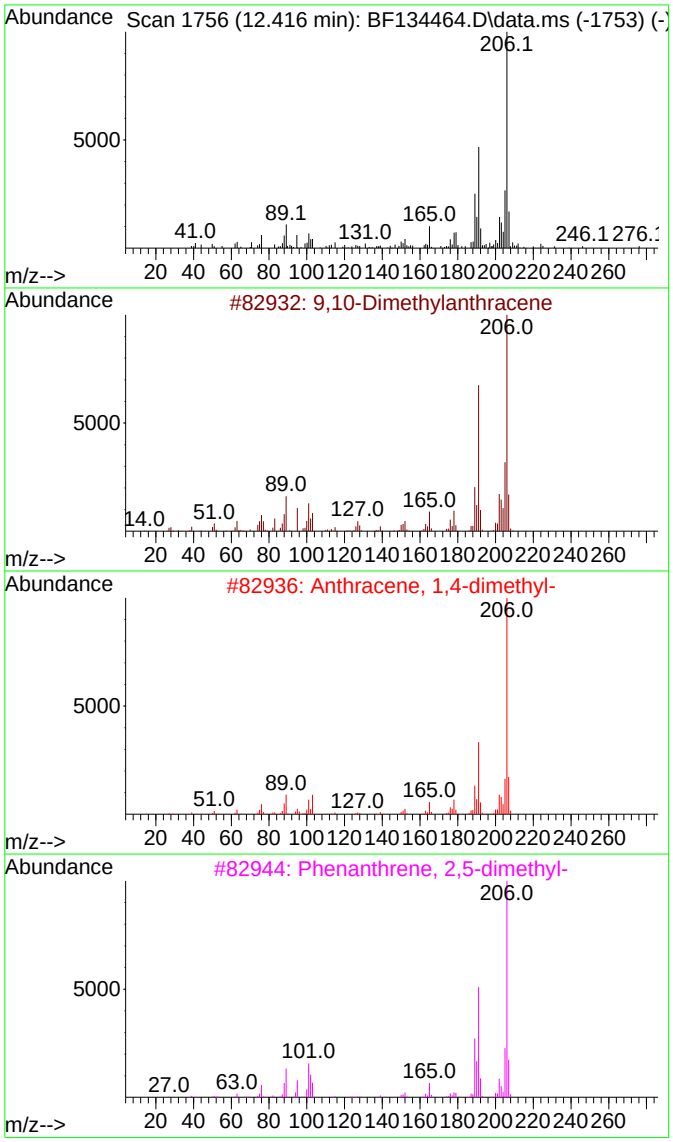
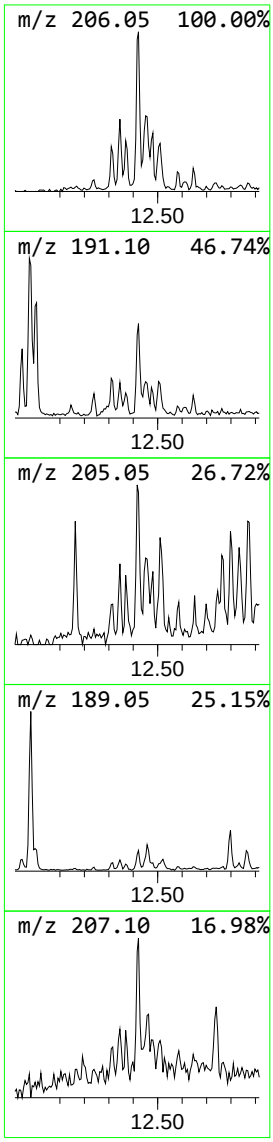
Peak Number 10 9,10-Dimethylanthracene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.416	3.82 ng	88288	Phenanthrene-d10	11.363

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Dimethylanthracene	206	C16H14	000781-43-1	96
2	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	93
3	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	93
4	di-p-Tolylacetylene	206	C16H14	002789-88-0	91
5	3,4-Dimethylphenanthrene	206	C16H14	1000452-24-5	90





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Misc :
ALS Vial : 7 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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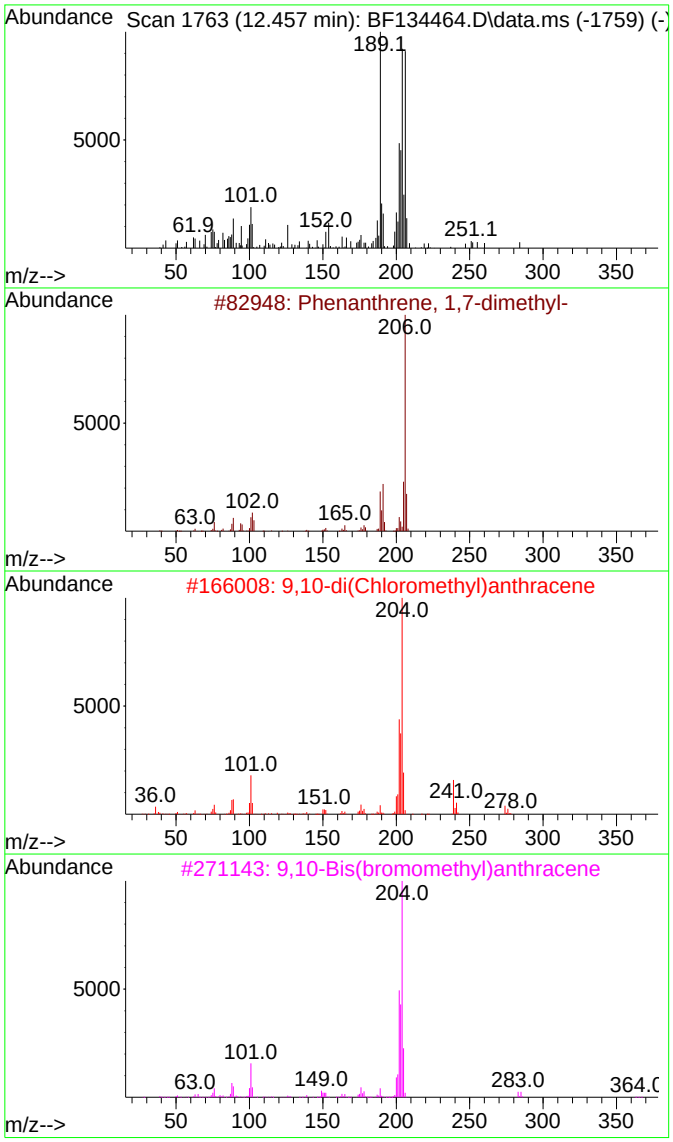
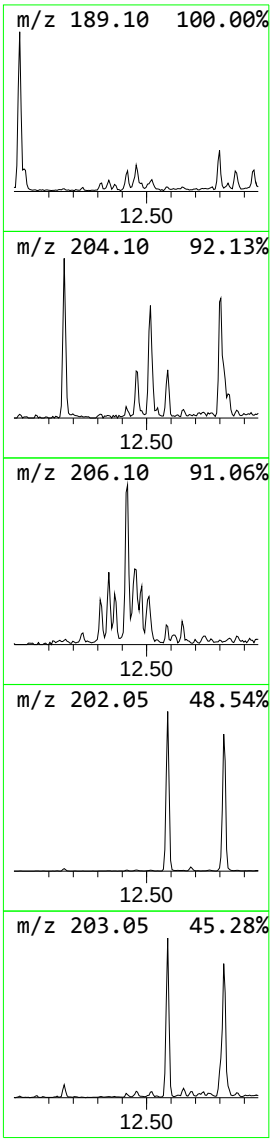
Peak Number 11 Phenanthrene, 1,7-dimethyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.457	3.00 ng	69236	Phenanthrene-d10	11.363

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	46
2	9,10-di(Chloromethyl)anthracene	274	C16H12Cl2	010387-13-0	43
3	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	43
4	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	38
5	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	38





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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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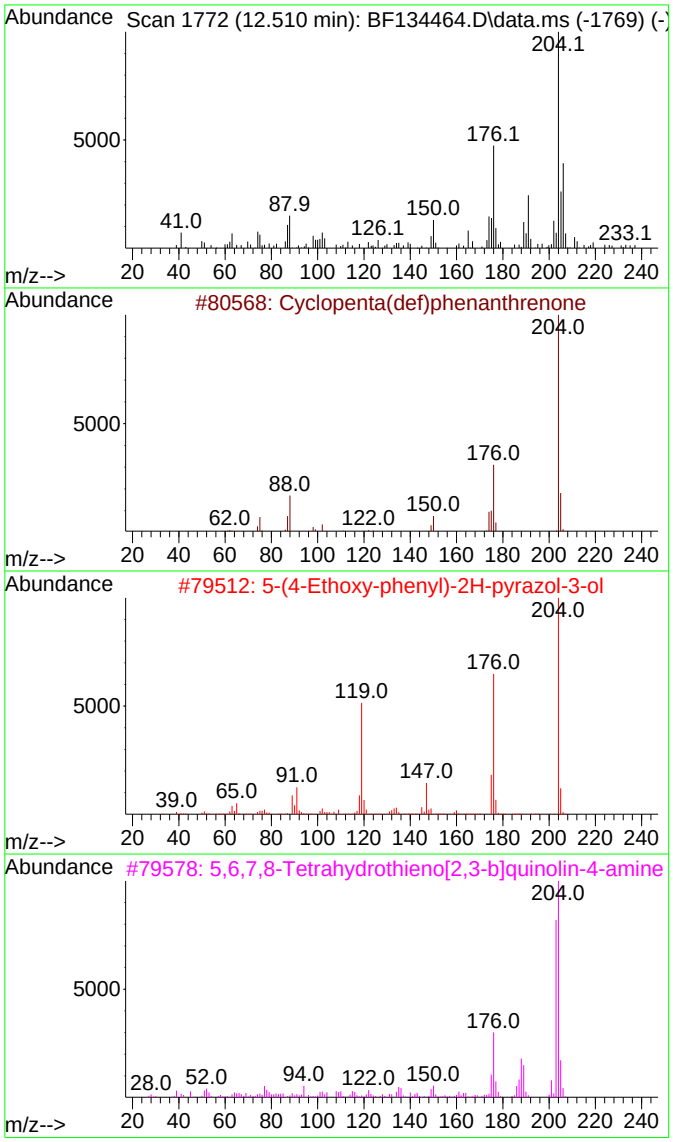
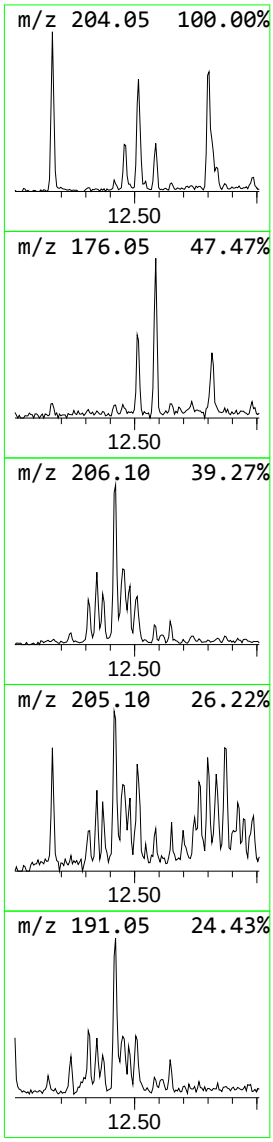
Peak Number 12 Cyclopenta(def)phenanthrenone Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.510	3.60 ng	83100	Phenanthrene-d10	11.363

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	78
2	5-(4-Ethoxy-phenyl)-2H-pyrazol-3-ol	204	C11H12N2O2	1000278-26-8	47
3	5,6,7,8-Tetrahydrothieno[2,3-b]q...	204	C11H12N2S	122914-50-5	47
4	Benzene, 1-chloro-3-phenoxy-	204	C12H9ClO	006452-49-9	46
5	2-Chloro-4-phenylphenol	204	C12H9ClO	000092-04-6	43





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ALS Vial : 7 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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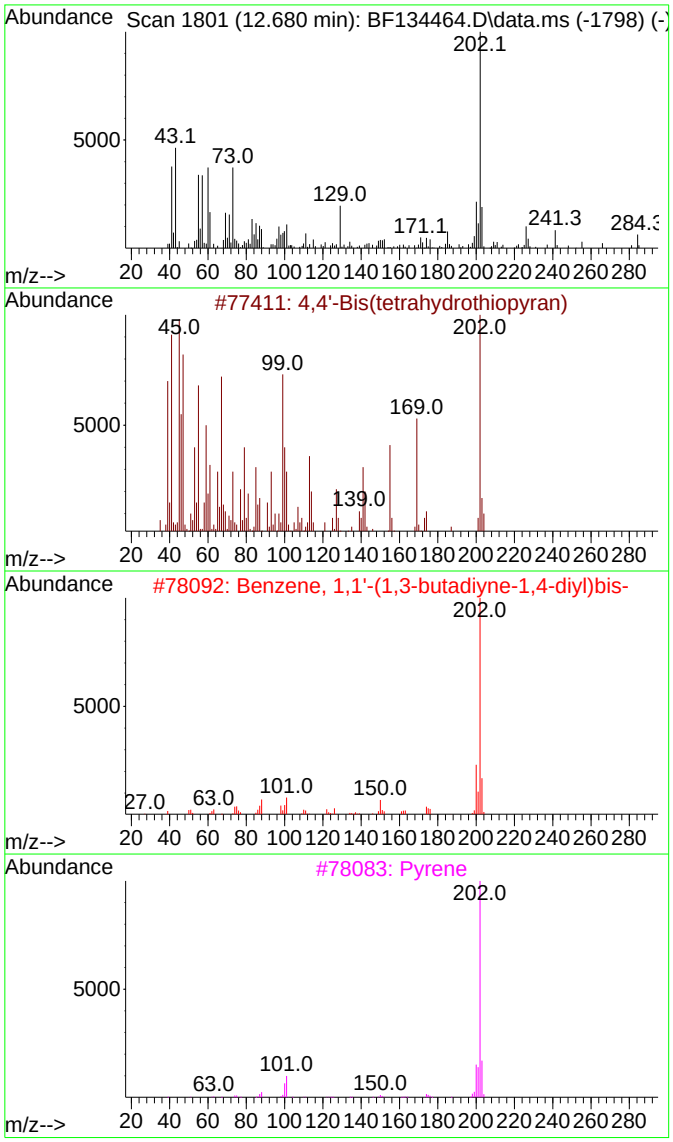
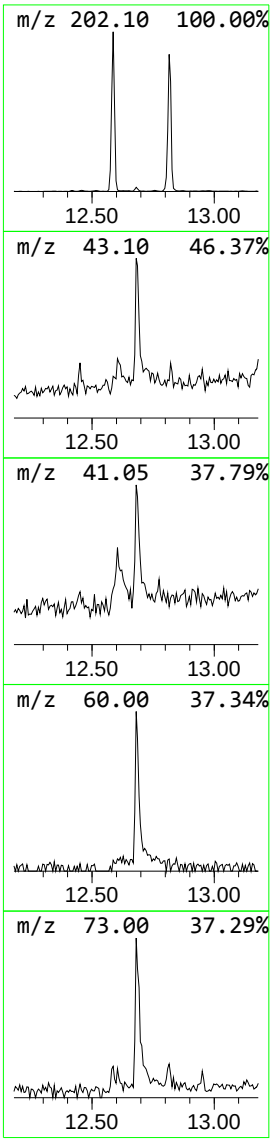
Peak Number 13 4,4'-Bis(tetrahydrothiopyran) Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.680	5.39 ng	124494	Phenanthrene-d10	11.363

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4,4'-Bis(tetrahydrothiopyran)	202	C10H18S2	116196-83-9	94
2	Benzene, 1,1'-(1,3-butadiyne-1,4...	202	C16H10	000886-66-8	55
3	Pyrene	202	C16H10	000129-00-0	47
4	Fluoranthene	202	C16H10	000206-44-0	47
5	Fluoren-9-one, 9a-hydroxy-1,2,3,...	202	C13H14O2	1000160-37-9	38





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Misc :
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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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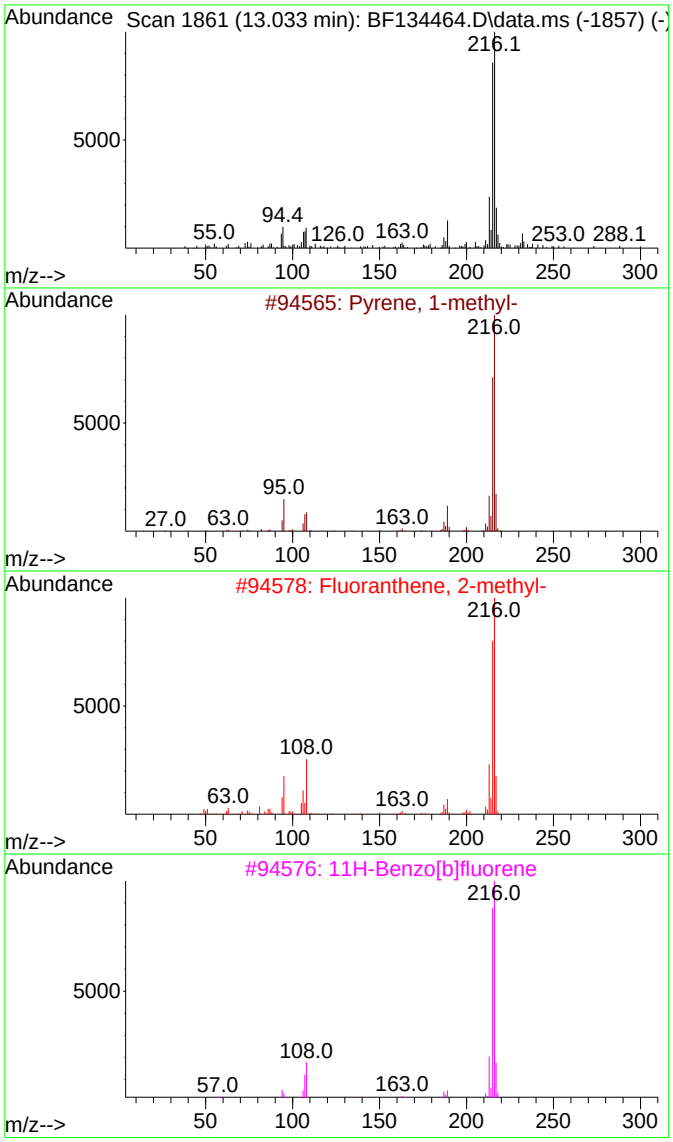
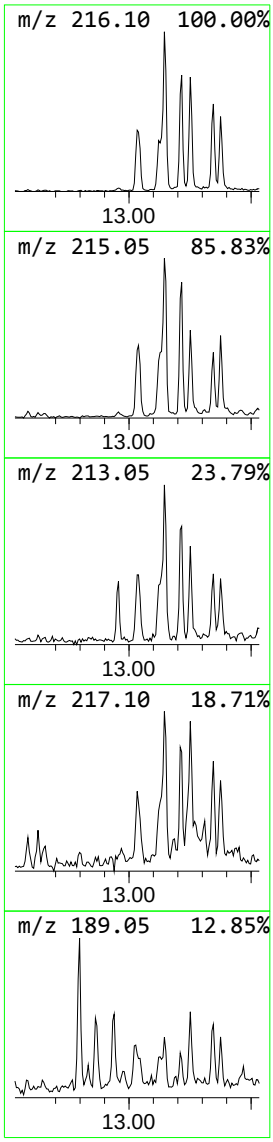
Peak Number 14 Pyrene, 1-methyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.033	2.64 ng	123147	Chrysene-d12	14.027

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	90
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	90
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	87
5	Pyrene, 2-methyl-	216	C17H12	003442-78-2	86





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Misc :
ALS Vial : 7 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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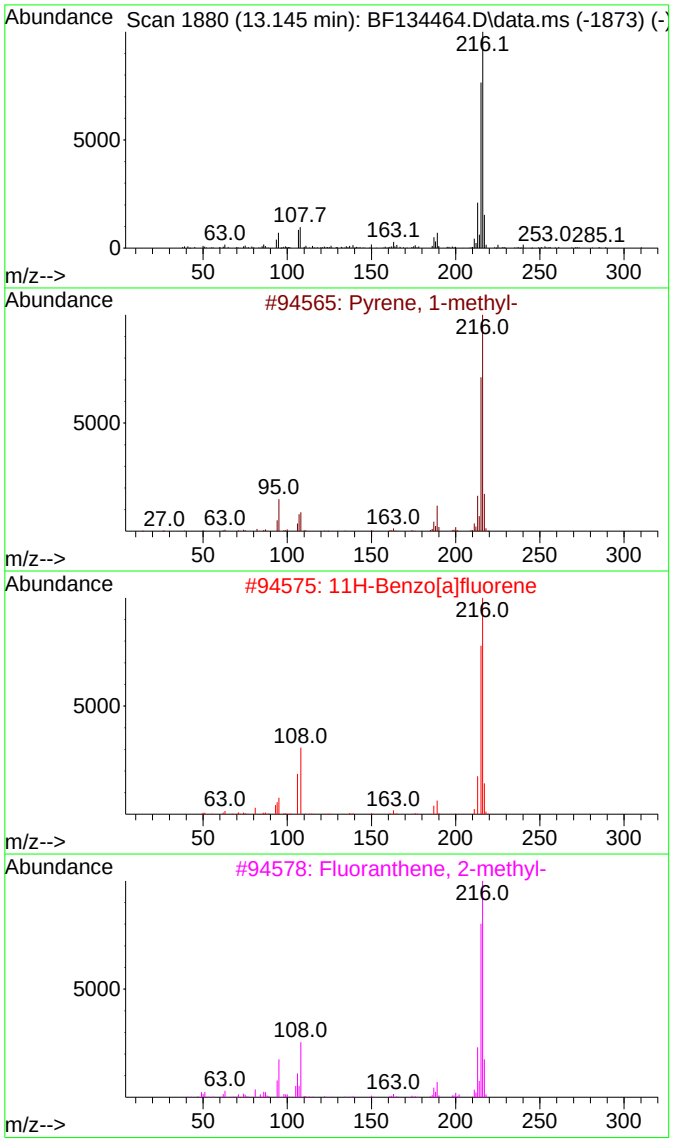
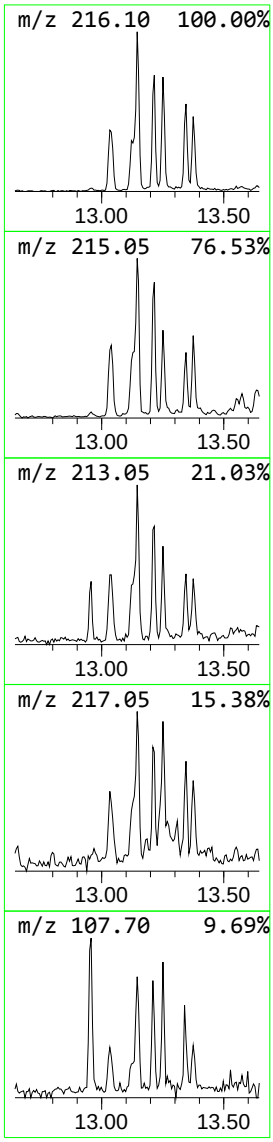
Peak Number 15 11H-Benzo[b]fluorene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.145	4.93 ng	230432	Chrysene-d12	14.027

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	94
2	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	93
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	93
4	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	91
5	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	72





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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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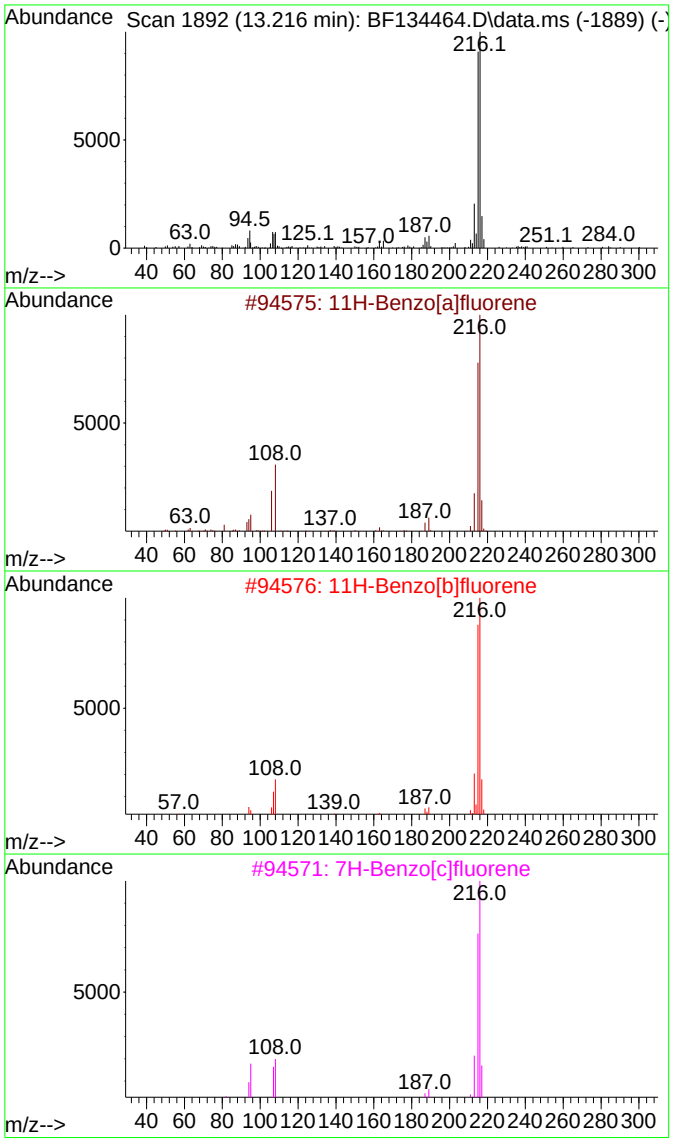
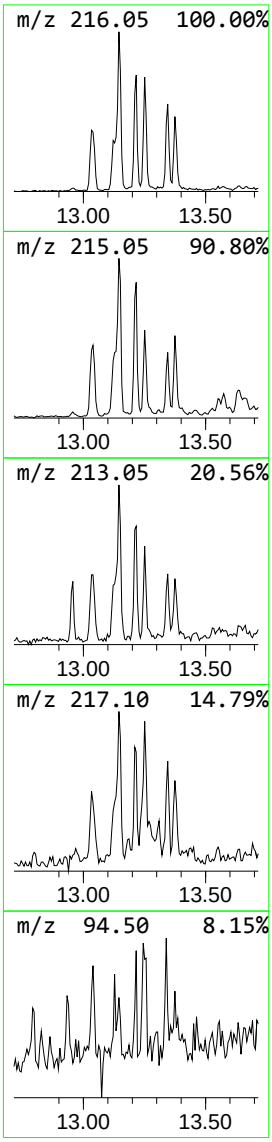
Peak Number 16 11H-Benzo[a]fluorene Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.216	2.14 ng	100114	Chrysene-d12	14.027

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	94
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	93
3	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	80
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	74
5	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	64





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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
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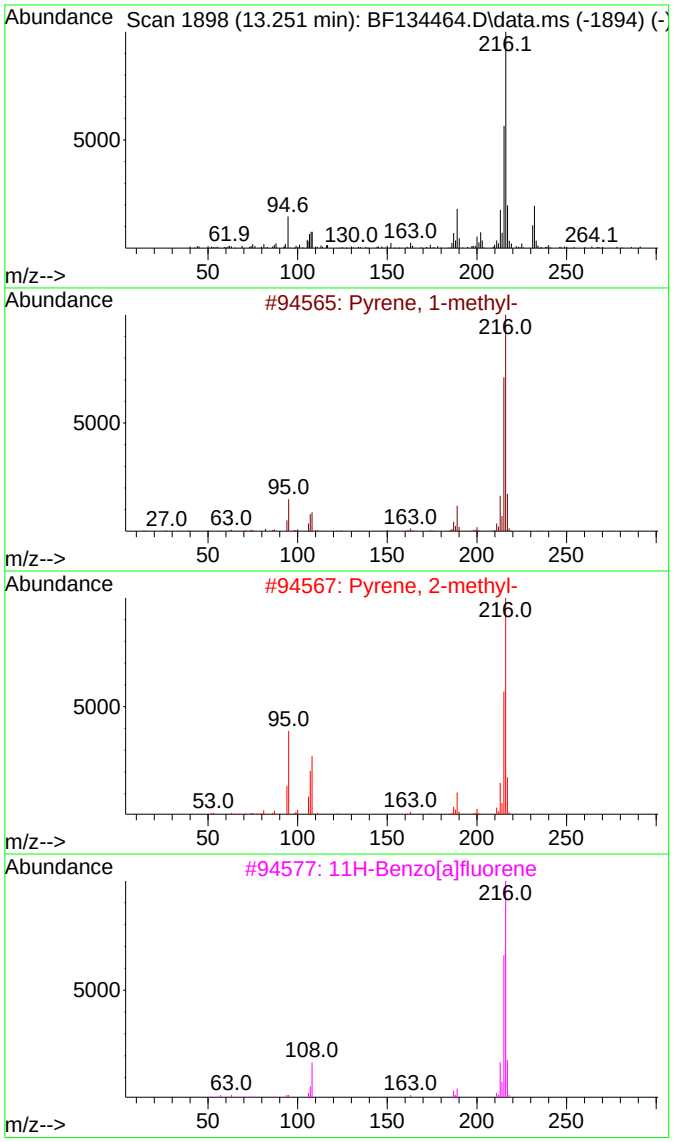
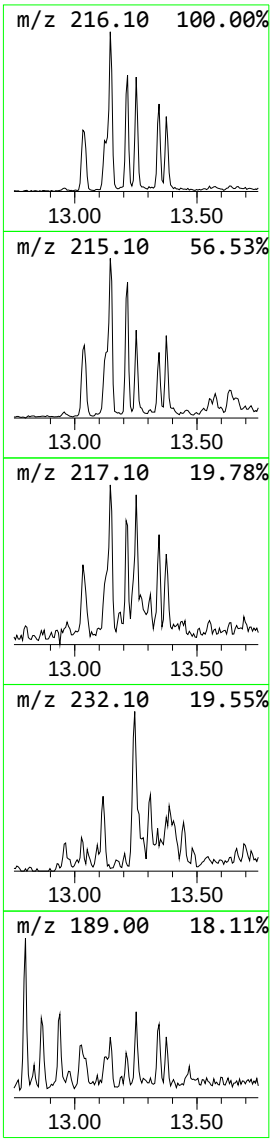
Peak Number 17 Pyrene, 4-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.251	3.11 ng	145515	Chrysene-d12	14.027

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	93
2	Pyrene, 2-methyl-	216	C17H12	003442-78-2	90
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	76
4	Pyrene, 4-methyl-	216	C17H12	003353-12-6	72
5	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	64





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ALS Vial : 7 Sample Multiplier: 1

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

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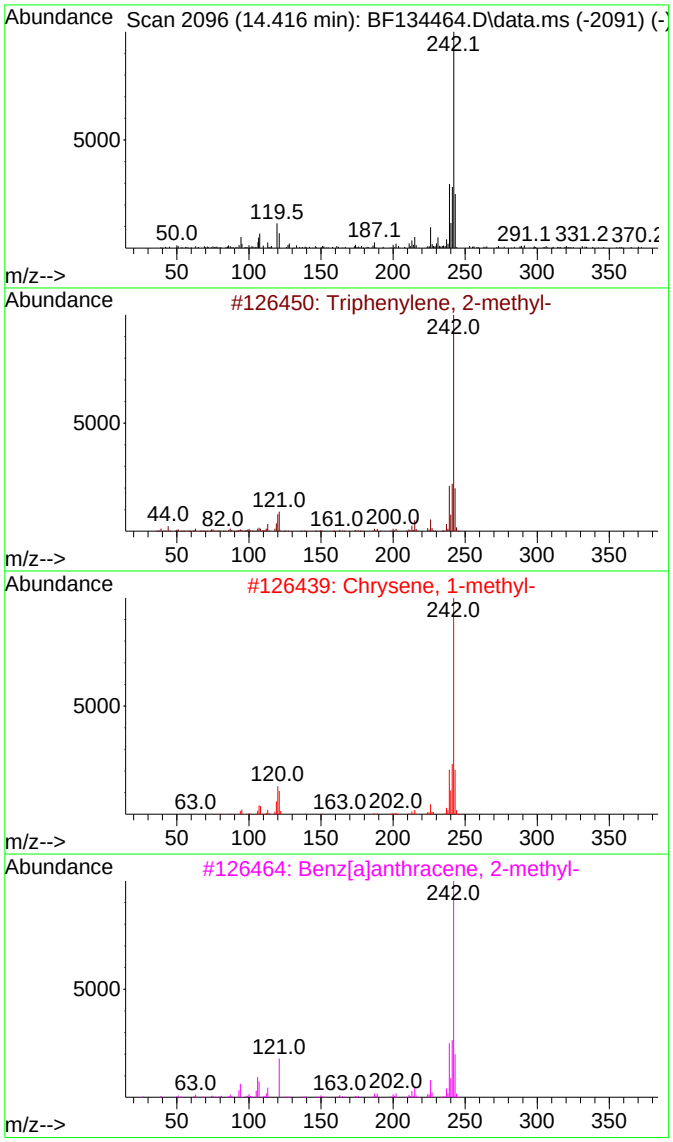
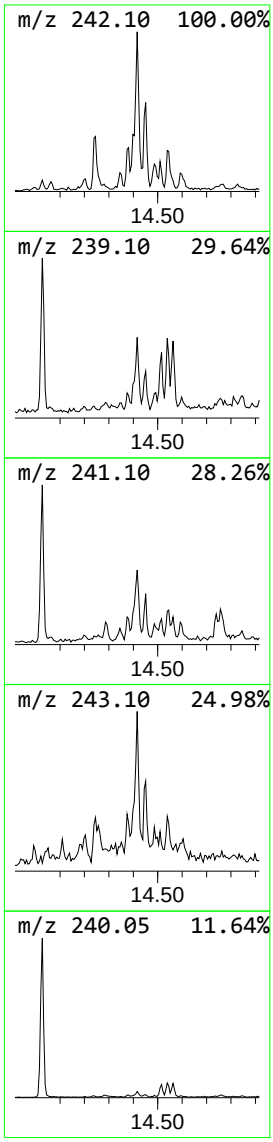
Peak Number 18 Triphenylene, 2-methyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.416	2.96 ng	138498	Chrysene-d12	14.027

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Triphenylene, 2-methyl-	242	C19H14	001705-84-6	90
2	Chrysene, 1-methyl-	242	C19H14	003351-28-8	87
3	Benz[a]anthracene, 2-methyl-	242	C19H14	002498-76-2	76
4	Chrysene, 6-methyl-	242	C19H14	001705-85-7	76
5	Benz[a]anthracene, 1-methyl-	242	C19H14	002498-77-3	70





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Data File : BF134464.D
Acq On : 25 Jul 2023 15:53
Operator : CG\JU
Sample : 03708-01 2X
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PL-02-072023

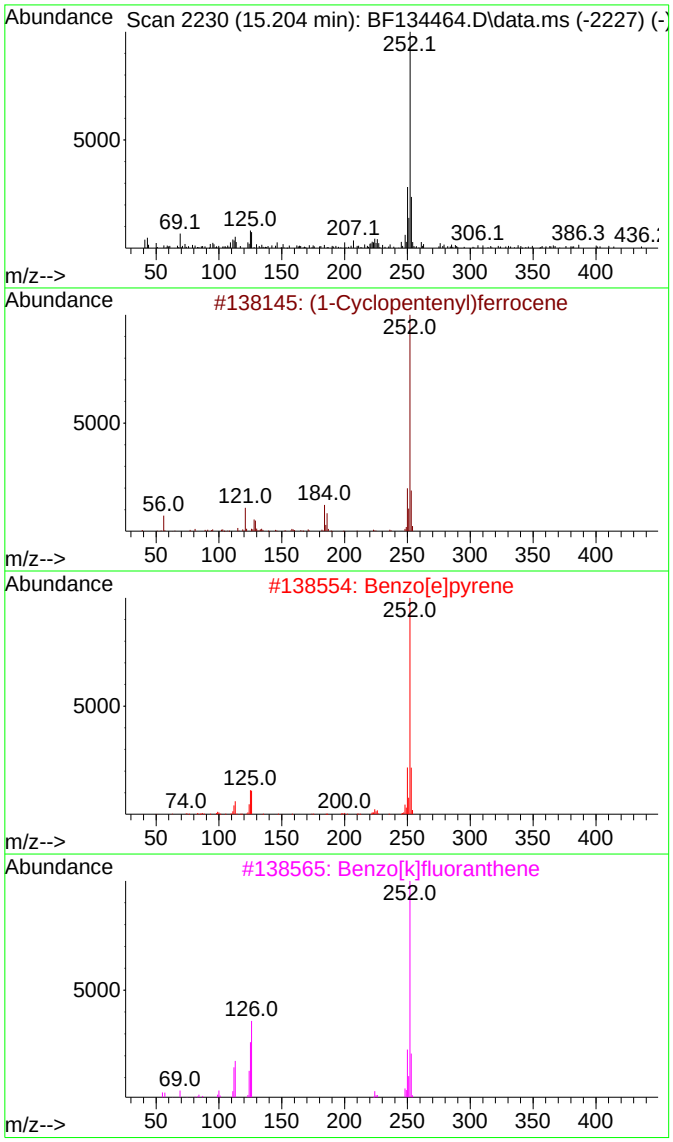
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF072423.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

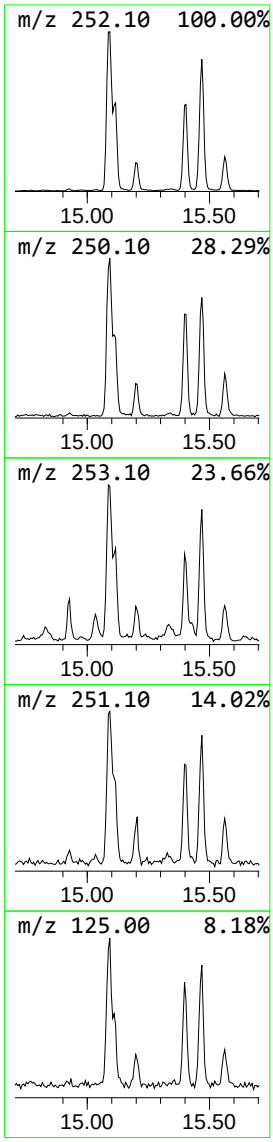
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 19 (1-Cyclopentenyl)ferrocene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.204	5.71 ng	76083	Perylene-d12	15.533

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	(1-Cyclopentenyl)ferrocene	252	C15H16Fe	012260-67-2	83
2	Benzo[e]pyrene	252	C20H12	000192-97-2	81
3	Benzo[k]fluoranthene	252	C20H12	000207-08-9	81
4	Benzo[a]pyrene	252	C20H12	000050-32-8	81
5	Benzo[j]fluoranthene	252	C20H12	000205-82-3	70





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072523\
Data File : BF134464.D
Acq On : 25 Jul 2023 15:53
Operator : CG\JU
Sample : 03708-01 2X
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PL-02-072023

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF072423.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

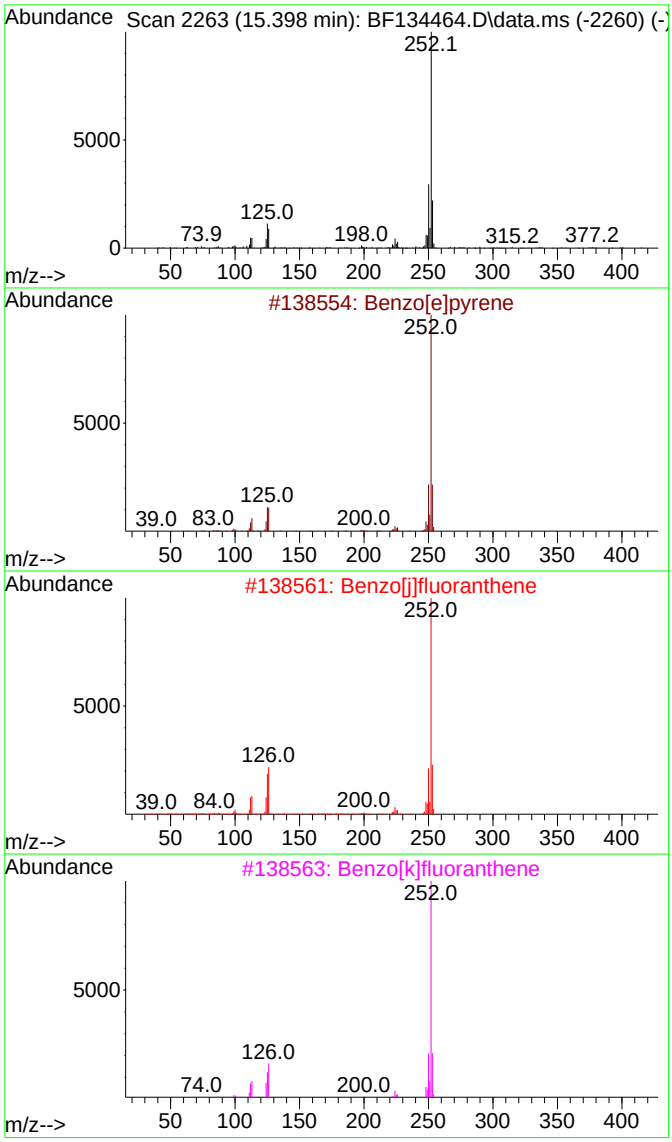
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

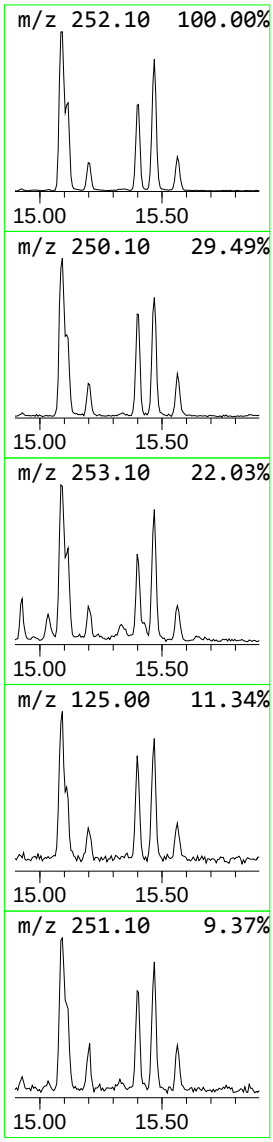
****

Peak Number 20 Benzo[e]pyrene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.398	18.43 ng	245564	Perylene-d12	15.533

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	96
2	Benzo[j]fluoranthene	252	C20H12	000205-82-3	96
3	Benzo[k]fluoranthene	252	C20H12	000207-08-9	95
4	Perylene	252	C20H12	000198-55-0	94
5	Benzo[b]fluoranthene	252	C20H12	000205-99-2	91





Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072523\
Data File : BF134464.D
Acq On : 25 Jul 2023 15:53
Operator : CG\JU
Sample : 03708-01 2X
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PL-02-072023

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF072423.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	11.257	2.3	ng	51957	4	11.363	462167	20.0
5H-Indeno[1,2-b...	11.598	2.6	ng	59108	4	11.363	462167	20.0
Anthracene, 1-m...	11.863	3.7	ng	85233	4	11.363	462167	20.0
n-Hexadecanoic ...	11.892	13.9	ng	320638	4	11.363	462167	20.0
Phenanthrene, 2...	11.945	2.3	ng	52295	4	11.363	462167	20.0
4H-Cyclopenta[d...	11.980	9.0	ng	208256	4	11.363	462167	20.0
Anthracene, 9-m...	11.998	2.5	ng	58448	4	11.363	462167	20.0
Naphthalene, 2-...	12.163	2.9	ng	67720	4	11.363	462167	20.0
9,10-Dimethylan...	12.416	3.8	ng	88288	4	11.363	462167	20.0
Phenanthrene, 1...	12.457	3.0	ng	69236	4	11.363	462167	20.0
Cyclopenta(def)...	12.510	3.6	ng	83100	4	11.363	462167	20.0
4,4'-Bis(tetrah...	12.680	5.4	ng	124494	4	11.363	462167	20.0
Pyrene, 1-methyl-	13.033	2.6	ng	123147	5	14.027	934341	20.0
11H-Benzo[b]flu...	13.145	4.9	ng	230432	5	14.027	934341	20.0
11H-Benzo[a]flu...	13.216	2.1	ng	100114	5	14.027	934341	20.0
Pyrene, 4-methyl-	13.251	3.1	ng	145515	5	14.027	934341	20.0
Triphenylene, 2...	14.416	3.0	ng	138498	5	14.027	934341	20.0
(1-Cyclopenteny...	15.204	5.7	ng	76083	6	15.533	266479	20.0
Benzo[e]pyrene	15.398	18.4	ng	245564	6	15.533	266479	20.0