LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102821\
Data File : BF125994.D
Acq On : 28 Oct 2021 17:57
Operator : JU/CG
Sample : M4336-02 5X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : C1

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-BF102521.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF125994.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	570	574	582	rBV	859802	725929	22.14%	2.255%
2	6.475	742	746	749	rBV	899723	706131	21.54%	2.194%
3	6.857	808	811	815	rBV	1250774	1030650	31.44%	3.202%
4	7.416	902	906	909	rBV	484776	414703	12.65%	1.288%
5	8.045	1008	1013	1021	rBV	52332	71180	2.17%	0.221%
6	8.139	1026	1029	1033	rBV	1501135	1230722	37.54%	3.823%
7	9.216	1208	1212	1215	rBV	783459	629390	19.20%	1.955%
8	9.669	1286	1289	1295	rBV	34495	34391	1.05%	0.107%
9	9.892	1322	1327	1331	rBV	1475572	1272584	38.82%	3.953%
10	9.928	1331	1333	1336	rVB	46215	36508	1.11%	0.113%
11	10.098	1358	1362	1365	rBV	43473	46229	1.41%	0.144%
12	10.133	1365	1368	1376	rVB	43317	48953	1.49%	0.152%
13	10.210	1378	1381	1384	rBV	46462	45344	1.38%	0.141%
14	10.304	1393	1397	1402	rBV6	41970	60568	1.85%	0.188%
15	10.439	1417	1420	1422	rBV2	33860	37021	1.13%	0.115%
16	10.675	1457	1460	1465	rBV	433798	386829	11.80%	1.202%
17	10.716	1465	1467	1473	rVB5	27296	43731	1.33%	0.136%
18	10.804	1479	1482	1489	rVB4	72541	95901	2.93%	0.298%
19	10.992	1509	1514	1516	rBV3	36434	49918	1.52%	0.155%
20	11.016	1516	1518	1521	rVB3	39506	37384	1.14%	0.116%
21	11.116	1530	1535	1537	rBV6	36786	60488	1.85%	0.188%
22	11.180	1543	1546	1550	rVB2	61280	66983	2.04%	0.208%
23	11.275	1560	1562	1572	rVB2	87699	97659	2.98%	0.303%
24	11.380	1576	1580	1582	rBV	1440880	1395791	42.58%	4.336%
25	11.404	1582	1584	1587	rVV	983941	764256	23.31%	2.374%
26	11.451	1589	1592	1595	rVB	215670	175816	5.36%	0.546%
27	11.557	1607	1610	1613	rVB	57214	56573	1.73%	0.176%
28	11.633	1620	1623	1625	rBV3	32922	33747	1.03%	0.105%
29	11.674	1627	1630	1633	rVV	146648	118379	3.61%	0.368%
30	11.710	1633	1636	1641	rVB	156483	136376	4.16%	0.424%
31	11.792	1648	1650	1654	rVB	63894	60125	1.83%	0.187%
32	11.833	1654	1657	1660	rBV2	85308	81804	2.50%	0.254%
33	11.880	1662	1665	1667	rVV	441223	382919	11.68%	1.190%
34	11.910	1667	1670	1673	rVV	483554	431200	13.15%	1.340%
35	11.957	1675	1678	1680	rBV	108663	94808	2.89%	0.295%
36	11.992	1680	1684	1686	rBV2	629984	717036	21.87%	2.228%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102821\
Data File : BF125994.D
Acq On : 28 Oct 2021 17:57
Operator : JU/CG
Sample : M4336-02 5X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : C1

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-BF102521.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	12.016	1686	1688	1691	rVB	477494	364837	11.13%	1.133%
38	12.063	1694	1696	1698	rBV2	66515	60254	1.84%	0.187%
39	12.116	1702	1705	1707	rVB2	71145	60285	1.84%	0.187%
40	12.151	1709	1711	1713	rVV2	41557	34530	1.05%	0.107%
41	12.174	1713	1715	1717	rVV	339338	268032	8.18%	0.833%
42	12.198	1717	1719	1726	rVB2	264587	283208	8.64%	0.880%
43	12.251	1726	1728	1729	rBV	63546	42444	1.29%	0.132%
44	12.304	1735	1737	1739	rBV	71940	68576	2.09%	0.213%
45	12.327	1739	1741	1743	rVV2	168070	147540	4.50%	0.458%
46	12.357	1743	1746	1748	rVV	176685	164358	5.01%	0.511%
47	12.380	1748	1750	1752	rVB	128486	94287	2.88%	0.293%
48	12.433	1755	1759	1761	rVV	394335	400651	12.22%	1.245%
49	12.463	1761	1764	1767	rVV3	227521	310436	9.47%	0.964%
50	12.486	1767	1768	1770	rVV	146474	84617	2.58%	0.263%
51	12.516	1770	1773	1778	rVV2	375658	416168	12.69%	1.293%
52	12.592	1780	1786	1790	rVB	1867331	1637483	49.95%	5.087%
53	12.639	1791	1794	1795	rBV	143325	121583	3.71%	0.378%
54	12.657	1795	1797	1804	rVB3	145058	184335	5.62%	0.573%
55	12.721	1804	1808	1810	rBV2	186223	198825	6.06%	0.618%
56	12.745	1810	1812	1815	rVB2	92695	88571	2.70%	0.275%
57	12.774	1815	1817	1820	rVB	65411	46143	1.41%	0.143%
58	12.821	1820	1825	1830	rBV	3228359	3278365	100.00%	10.185%
59	12.939	1842	1845	1846	rBV2	47806	42007	1.28%	0.131%
60	12.963	1846	1849	1856	rVB	815774	848725	25.89%	2.637%
61	13.039	1858	1862	1865	rBV	388703	504636	15.39%	1.568%
62	13.092	1869	1871	1873	rBV2	89701	78053	2.38%	0.242%
63	13.127	1873	1877	1878	rBV4	293702	336020	10.25%	1.044%
64	13.210	1884	1891	1894	rBV7	152686	269857	8.23%	0.838%
65	13.251	1895	1898	1901	rVV	632904	548317	16.73%	1.703%
66	13.280	1901	1903	1906	rVV	82829	79645	2.43%	0.247%
67	13.310	1906	1908	1910	rVV2	52206	48762	1.49%	0.151%
68	13.345	1911	1914	1916	rVV	438029	350482	10.69%	1.089%
69	13.374	1916	1919	1922	rVB	487175	388305	11.84%	1.206%
70	13.445	1929	1931	1937	rVB5	73637	116833	3.56%	0.363%
71	13.598	1955	1957	1959	rVB	82911	59028	1.80%	0.183%
72	13.651	1963	1966	1969	rBV	391982	328803	10.03%	1.021%
73	13.716	1975	1977	1981	rVB3	70142	67700	2.07%	0.210%
74	13.757	1981	1984	1988	rBV2	276639	403548	12.31%	1.254%
75	13.792	1988	1990	1993	rVV	315140	299766	9.14%	0.931%
76	13.816	1993	1994	1997	rVV	159106	115048	3.51%	0.357%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102821\
Data File : BF125994.D
Acq On : 28 Oct 2021 17:57
Operator : JU/CG
Sample : M4336-02 5X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : C1

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-BF102521.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

77	13.857	1998	2001	2006	rVV2	235166	260255	7.94%	0.809%
78	14.016	2023	2028	2031	rBV2	1612744	2444147	74.55%	7.593%
79	14.045	2031	2033	2038	rVB	1066765	976864	29.80%	3.035%
80	14.368	2085	2088	2089	rBV	105486	89224	2.72%	0.277%
81	14.404	2091	2094	2097	rVV	385641	382584	11.67%	1.189%
82	14.439	2097	2100	2103	rVB	232538	231301	7.06%	0.719%
83	14.527	2112	2115	2117	rBV	173820	158866	4.85%	0.494%
84	14.551	2117	2119	2122	rVB	116160	103991	3.17%	0.323%
85	14.651	2134	2136	2139	rVB2	162800	140907	4.30%	0.438%
86	15.057	2200	2205	2212	rBV2	438409	892418	27.22%	2.772%
87	15.357	2253	2256	2263	rVB	294642	337742	10.30%	1.049%
88	15.415	2263	2266	2272	rVB	373078	459296	14.01%	1.427%
89	15.480	2273	2277	2281	rBV	617654	792477	24.17%	2.462%

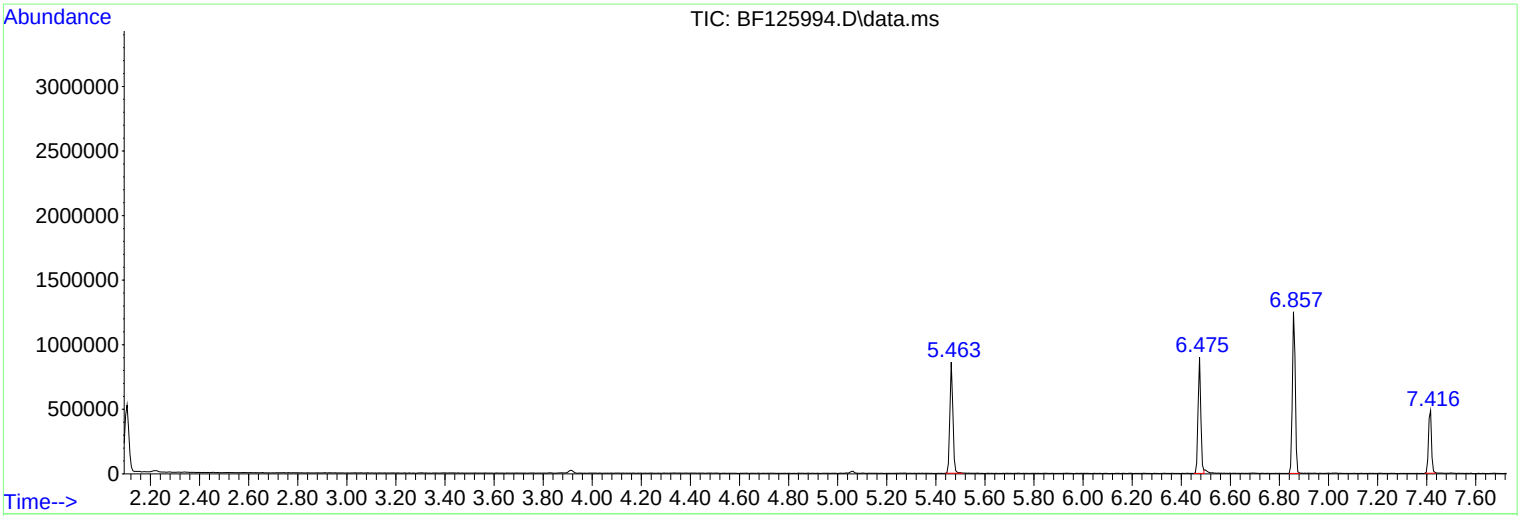
Sum of corrected areas: 32189161

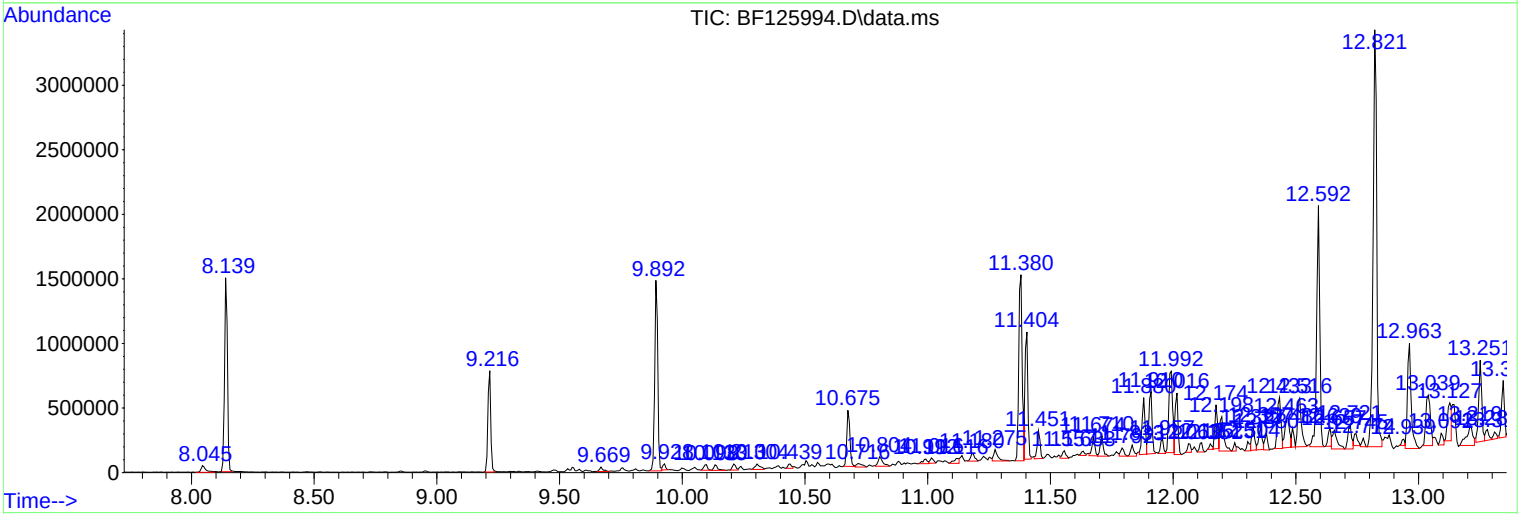
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102821\
Data File : BF125994.D
Acq On : 28 Oct 2021 17:57
Operator : JU/CG
Sample : M4336-02 5X
Misc :
ALS Vial : 16 Sample Multiplier: 1

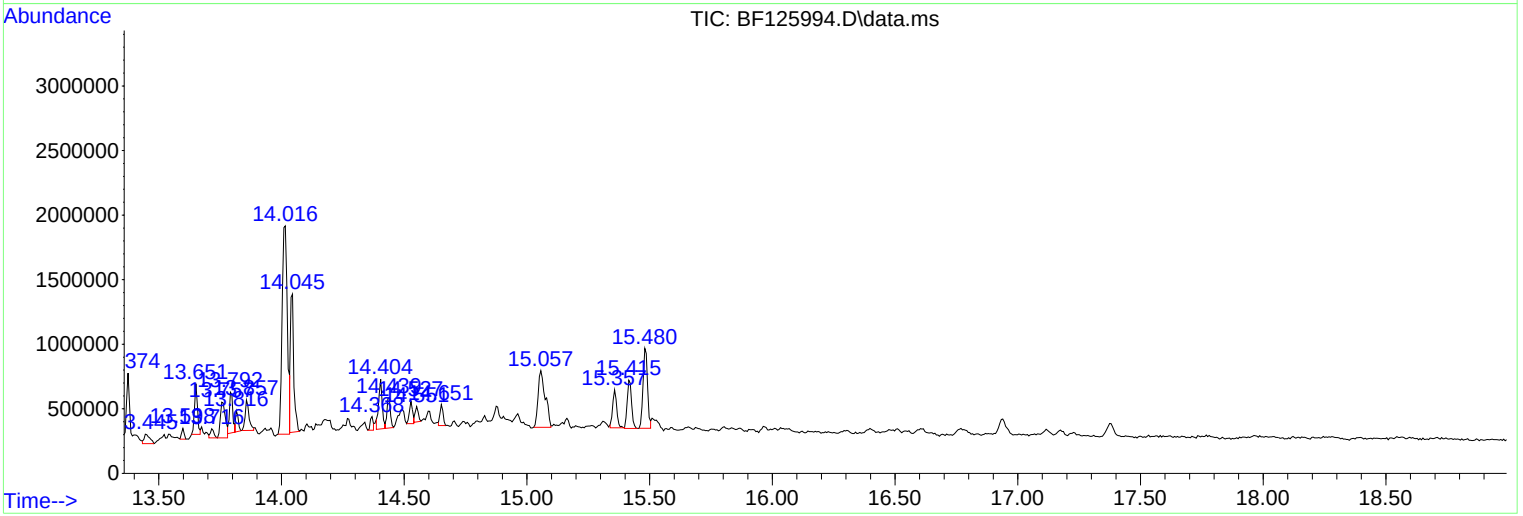
Instrument :
BNA_F
ClientSampleId :
C1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF102521.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\BF102821\
Data File : BF125994.D
Acq On : 28 Oct 2021 17:57
Operator : JU/CG
Sample : M4336-02 5X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : C1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF102521.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

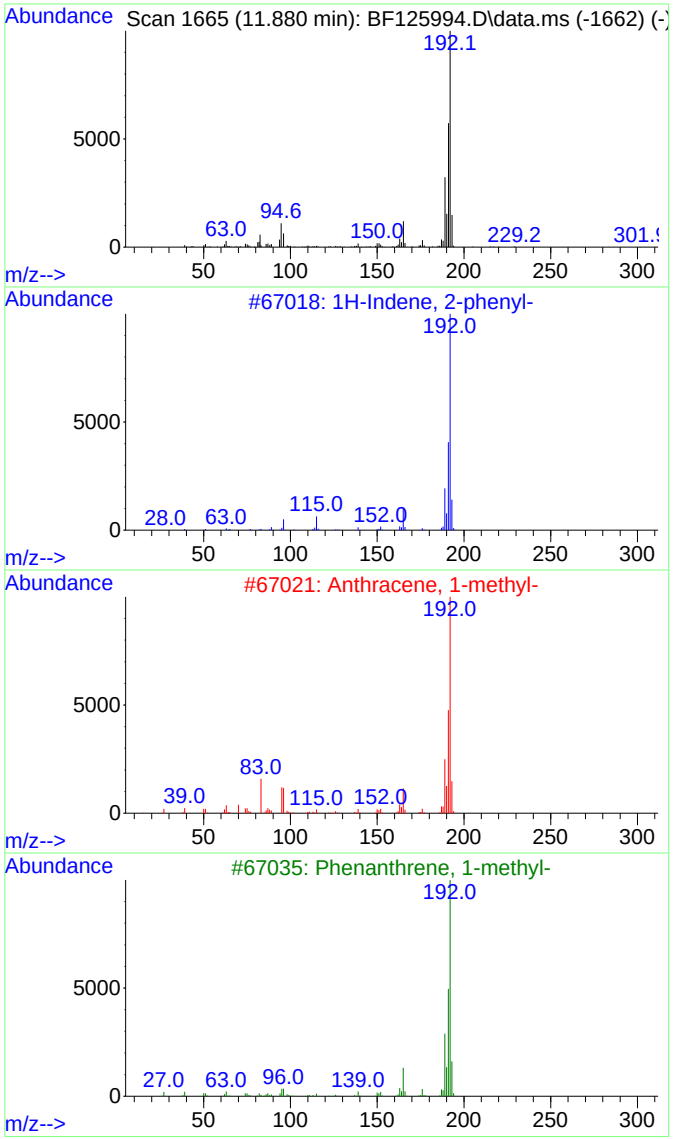
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

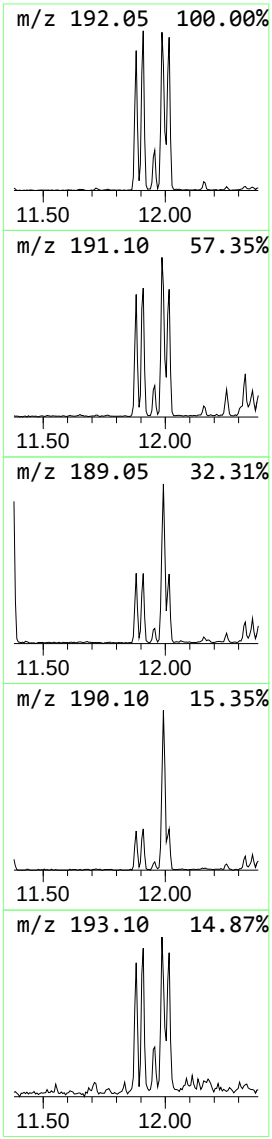
****

Peak Number 1 1H-Indene, 2-phenyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.880	5.49 ng	382919	Phenanthrene-d10	11.380

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	93
2	Anthracene, 1-methyl-	192	C15H12	000610-48-0	91
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	91
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	90
5	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	89





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102821\
Data File : BF125994.D
Acq On : 28 Oct 2021 17:57
Operator : JU/CG
Sample : M4336-02 5X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : C1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF102521.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

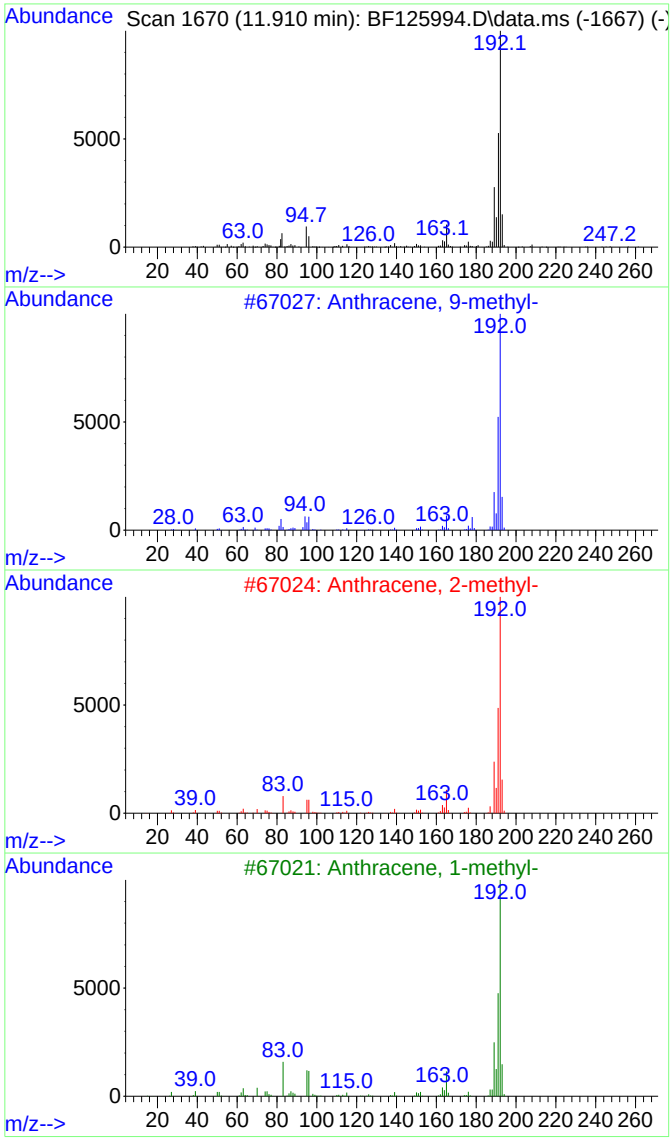
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

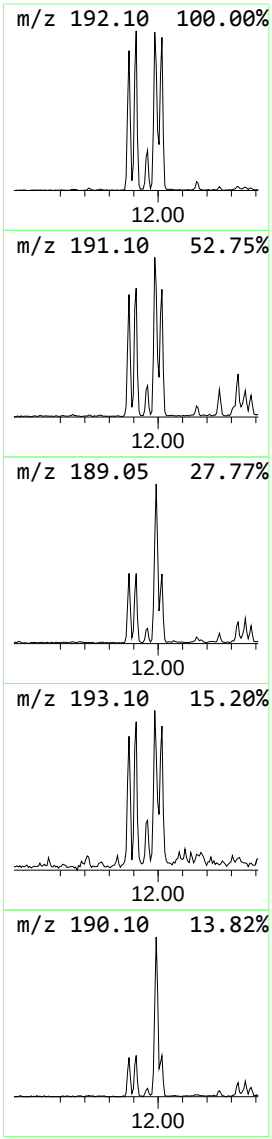
****

Peak Number 2 Anthracene, 9-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.910	6.18 ng	431200	Phenanthrene-d10	11.380

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 9-methyl-	192	C15H12	000779-02-2	94
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	93
3	Anthracene, 1-methyl-	192	C15H12	000610-48-0	91
4	Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	91
5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	90





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102821\
Data File : BF125994.D
Acq On : 28 Oct 2021 17:57
Operator : JU/CG
Sample : M4336-02 5X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : C1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF102521.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

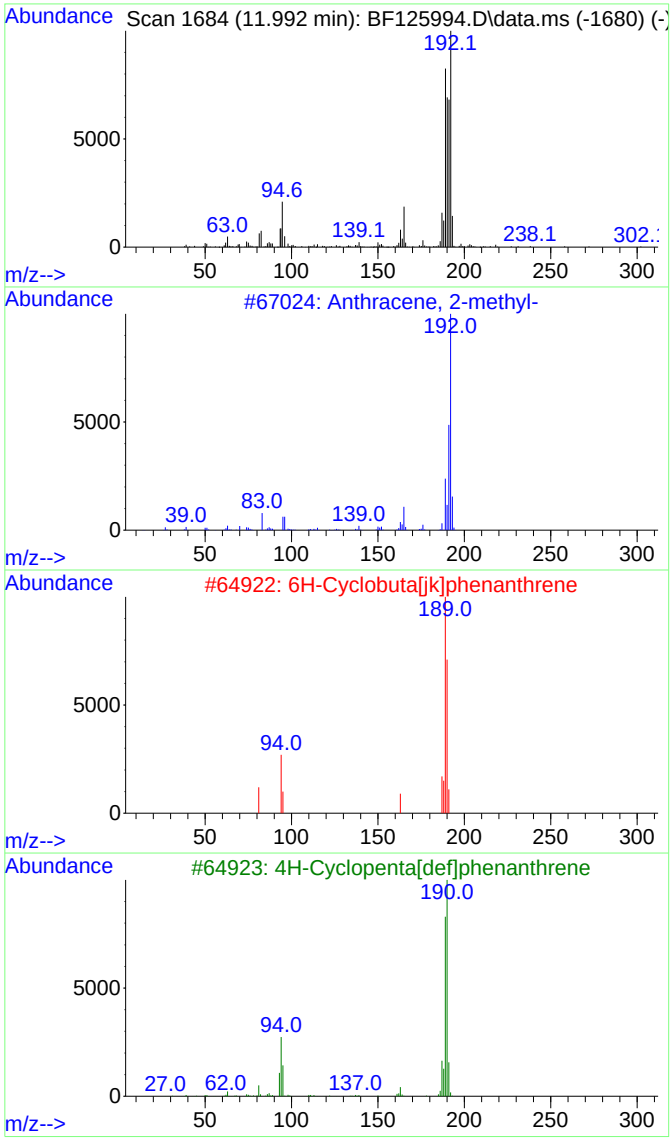
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

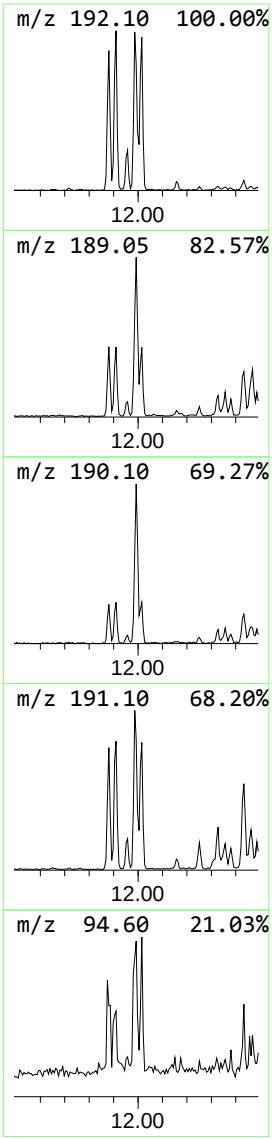
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.992	10.27 ng	717036	Phenanthrene-d10	11.380

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	50
2	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	46
3	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	45
4	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	45
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	43





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102821\
Data File : BF125994.D
Acq On : 28 Oct 2021 17:57
Operator : JU/CG
Sample : M4336-02 5X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : C1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF102521.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

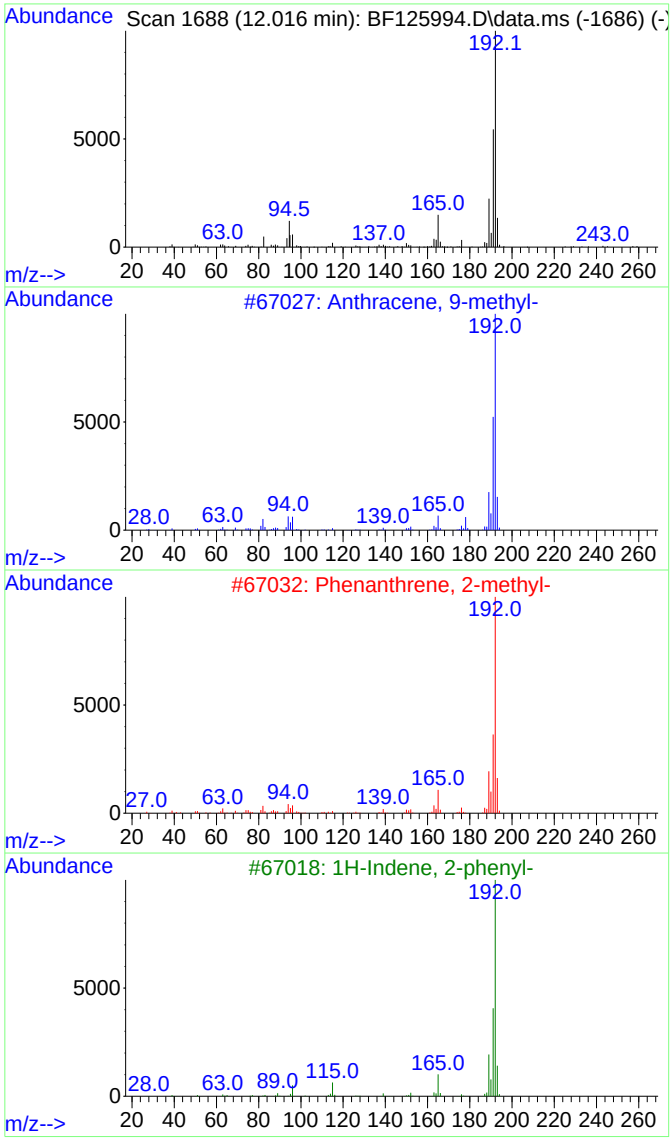
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

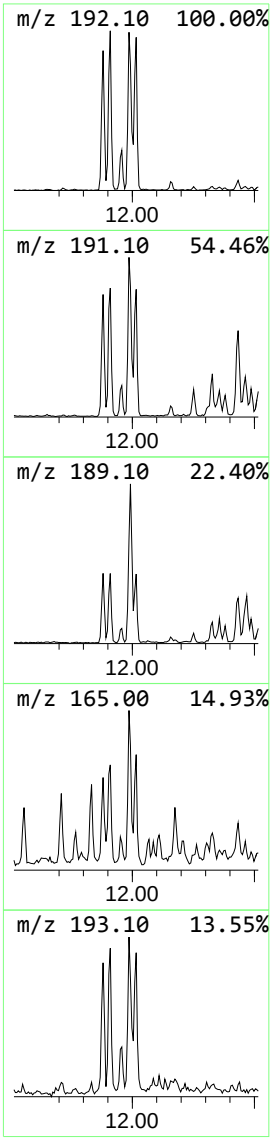
****

Peak Number 4 Phenanthrene, 2-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.016	5.23 ng	364837	Phenanthrene-d10	11.380

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 9-methyl-	192	C15H12	000779-02-2	93
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	86
3	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	81
4	1a,9b-Dihydro-1H-cyclopropa[a]an...	192	C15H12	006109-24-6	81
5	Propyne, 1,3-diphenyl-	192	C15H12	004980-70-5	81





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102821\
Data File : BF125994.D
Acq On : 28 Oct 2021 17:57
Operator : JU/CG
Sample : M4336-02 5X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : C1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF102521.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

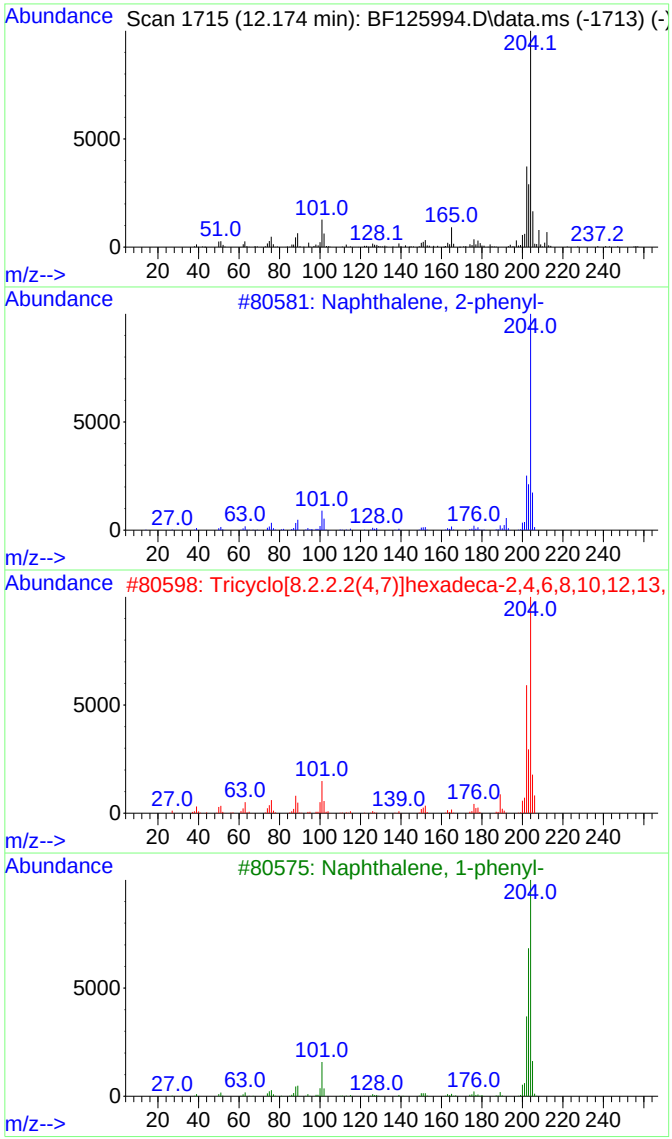
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

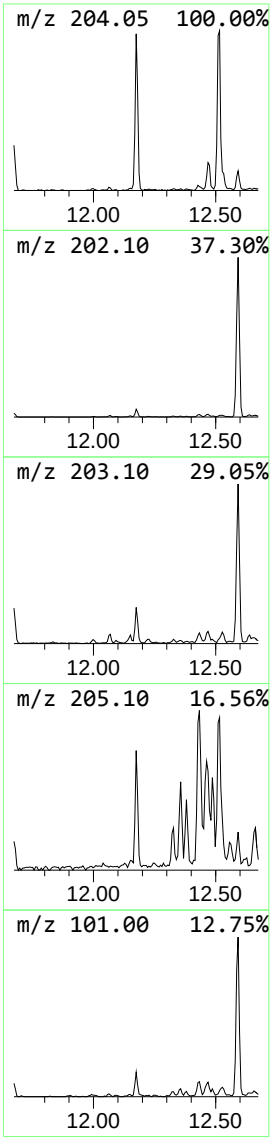
****

Peak Number 5 Naphthalene, 2-phenyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.174	3.84 ng	268032	Phenanthrene-d10	11.380

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	93
2	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	89
3	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	83
4	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	83
5	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	58





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102821\
Data File : BF125994.D
Acq On : 28 Oct 2021 17:57
Operator : JU/CG
Sample : M4336-02 5X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : C1

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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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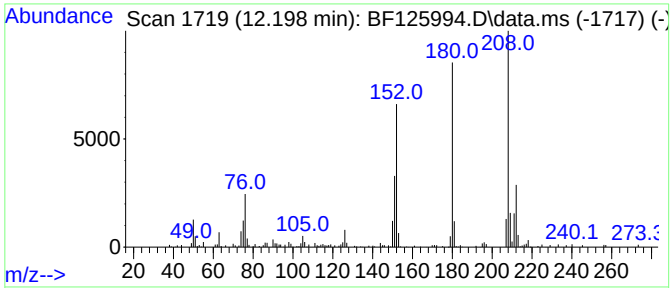
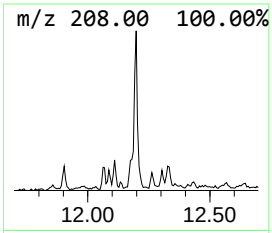
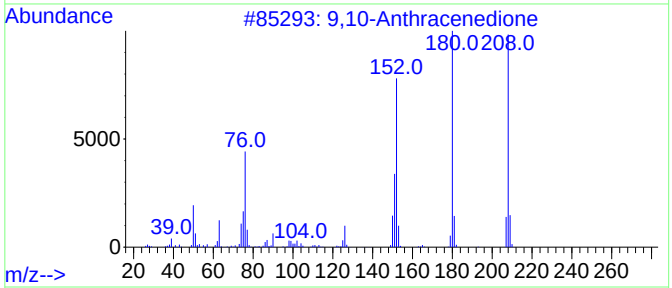
Peak Number 6 9,10-Anthracenedione Concentration Rank 11

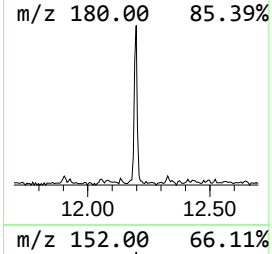
R.T.	EstConc	Area	Relative to ISTD	R.T.
12.198	4.06 ng	283208	Phenanthrene-d10	11.380

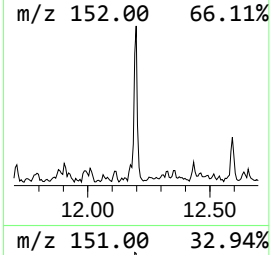
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	97
2	Naphthalene, 1,2,3,4-tetrahydro-...	208	C16H16	003018-20-0	49
3	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	46
4	1,4-Anthracenedione	208	C14H8O2	000635-12-1	45
5	1H-Phenalen-1-one	180	C13H8O	000548-39-0	45

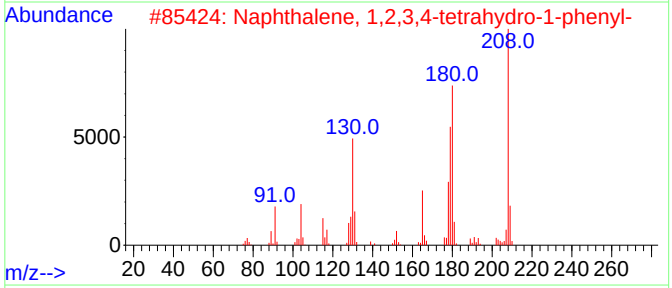


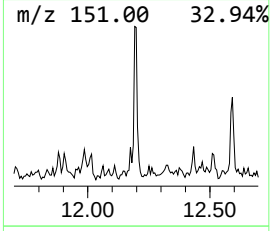


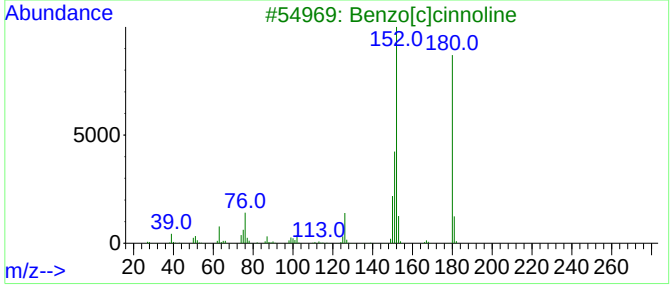


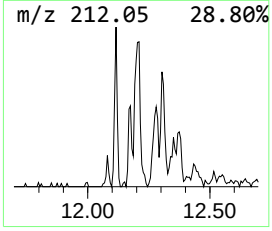












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Operator : JU/CG
Sample : M4336-02 5X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
C1

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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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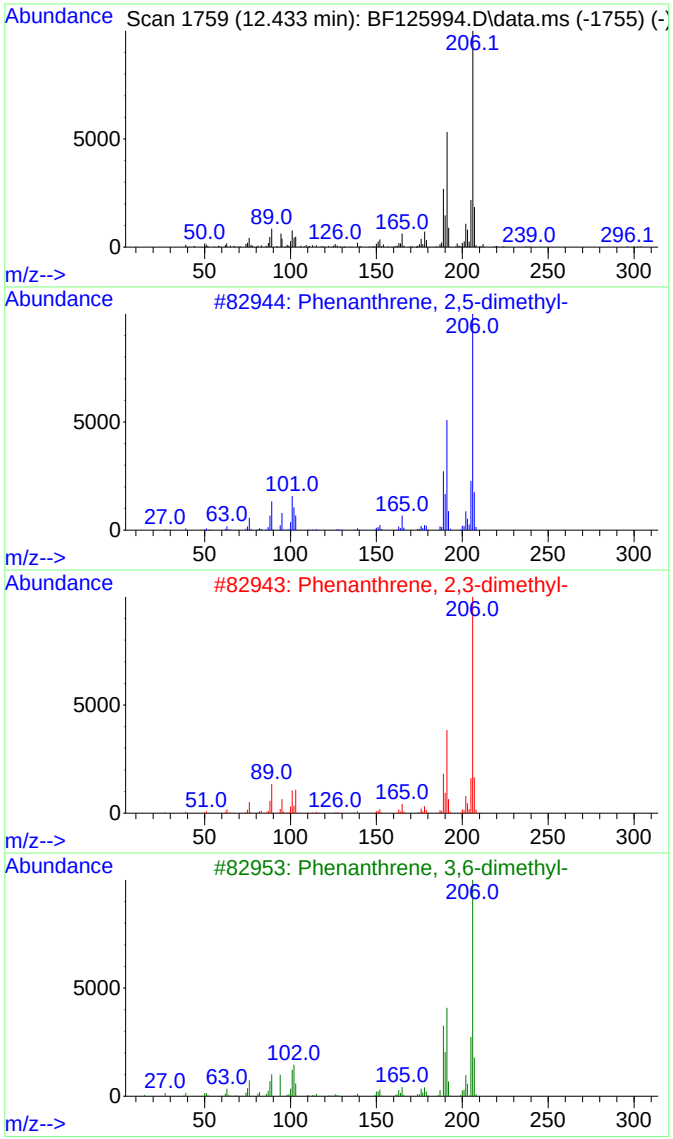
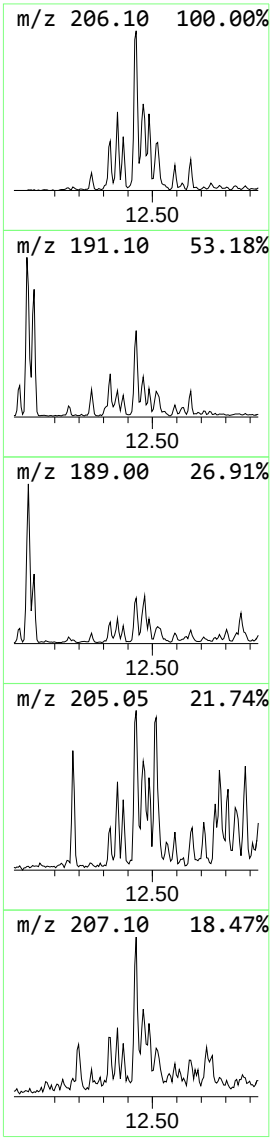
Peak Number 7 Phenanthrene, 2,5-dimethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.433	5.74 ng	400651	Phenanthrene-d10	11.380

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	93
2	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	91
3	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	90
4	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	90
5	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	89





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Misc :
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Instrument : BNA_F
ClientSampleId : C1

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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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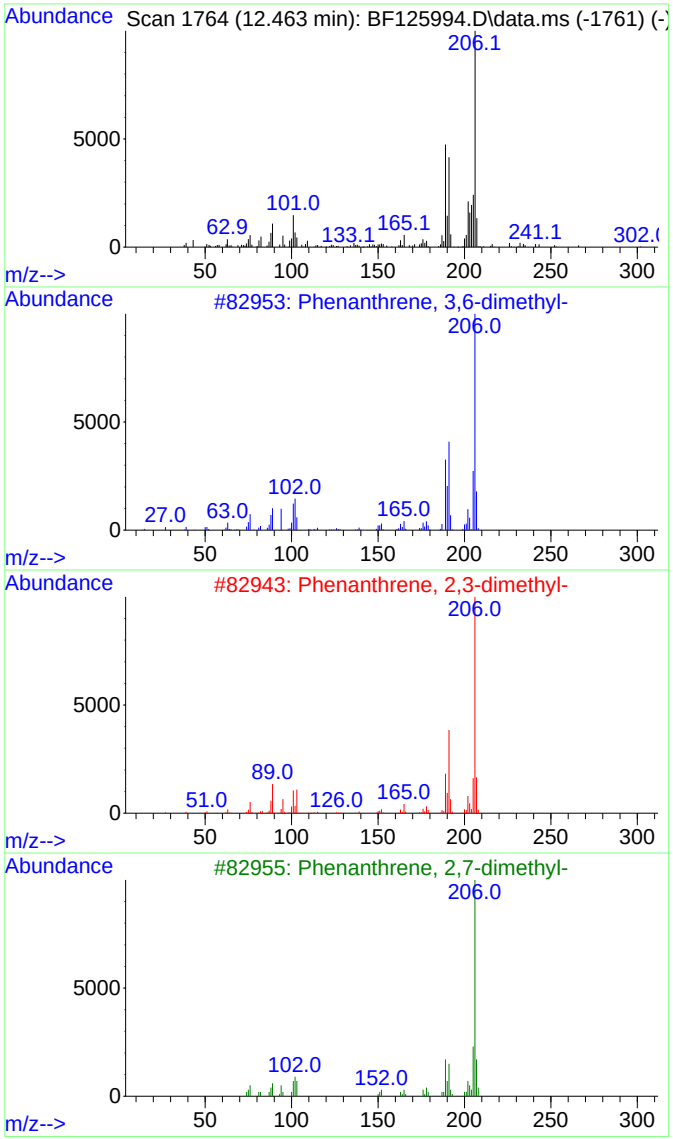
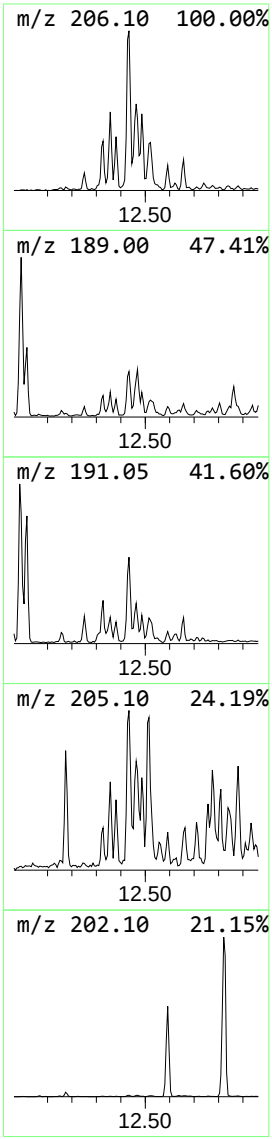
Peak Number 8 Phenanthrene, 3,6-dimethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.463	4.45 ng	310436	Phenanthrene-d10	11.380

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	93
2	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	83
3	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	74
4	9,10-Dimethylanthracene	206	C16H14	000781-43-1	70
5	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	70





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ClientSampleId : C1

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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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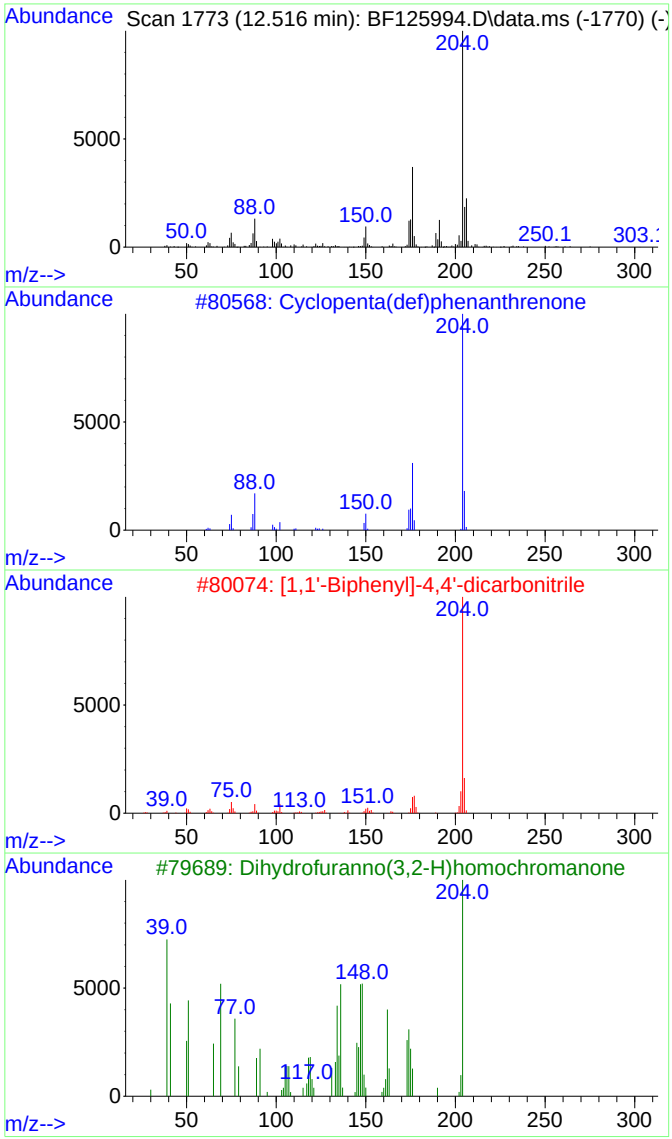
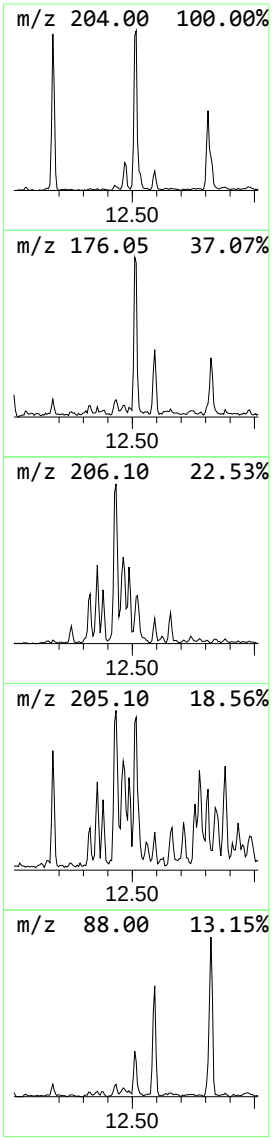
Peak Number 9 Cyclopenta(def)phenanthrenone Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.516	5.96 ng	416168	Phenanthrene-d10	11.380

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	95
2	[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	58
3	Dihydrofuranno(3,2-H)homochromanone	204	C12H12O3	057052-85-4	46
4	Tetracyano-p-quinodimethane	204	C12H4N4	001518-16-7	43
5	1-[3-(3,3-Dimethyl-but-1-ynyl)-2...	219	C15H25N	1000275-17-2	43





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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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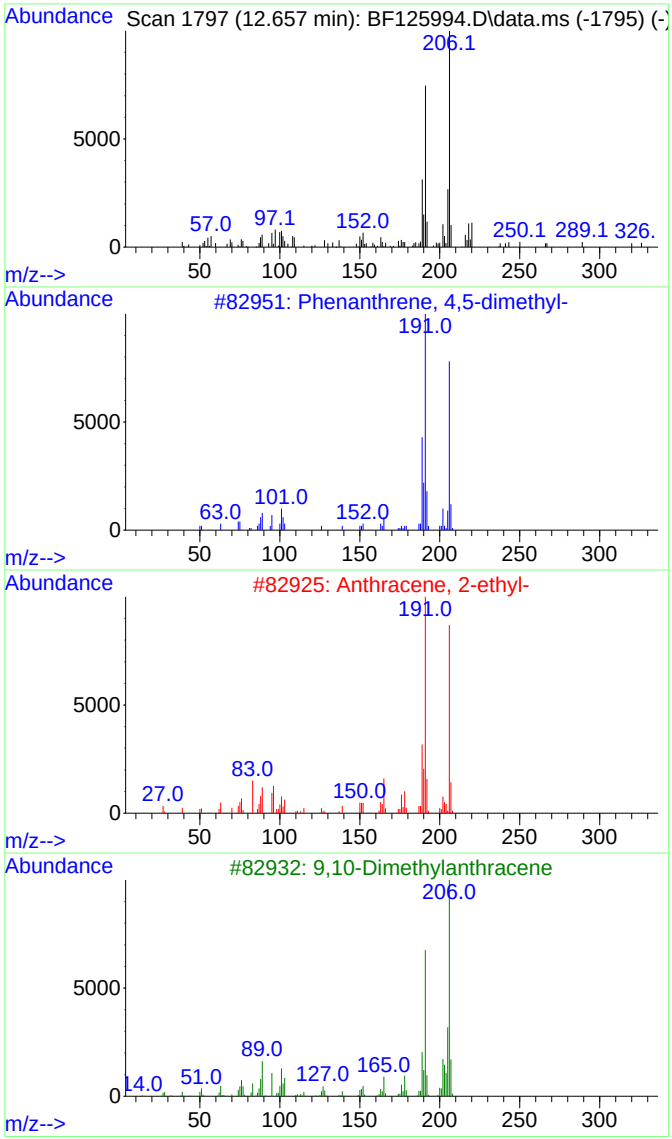
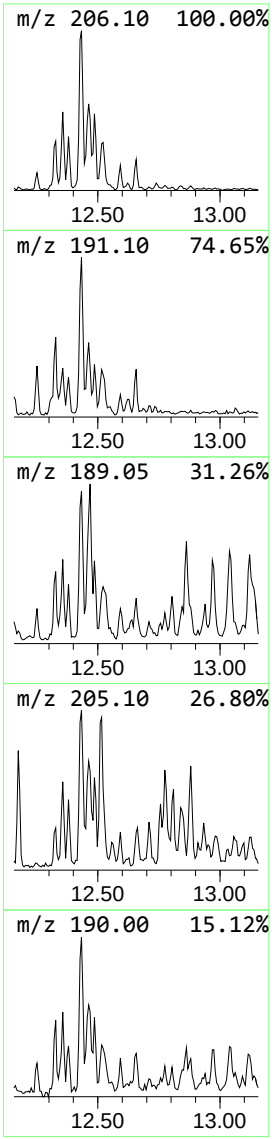
Peak Number 10 Phenanthrene, 4,5-dimethyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.657	2.64 ng	184335	Phenanthrene-d10	11.380

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	89
2	Anthracene, 2-ethyl-	206	C16H14	052251-71-5	68
3	9,10-Dimethylanthracene	206	C16H14	000781-43-1	64
4	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	58
5	di-p-Tolylacetylene	206	C16H14	002789-88-0	52





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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
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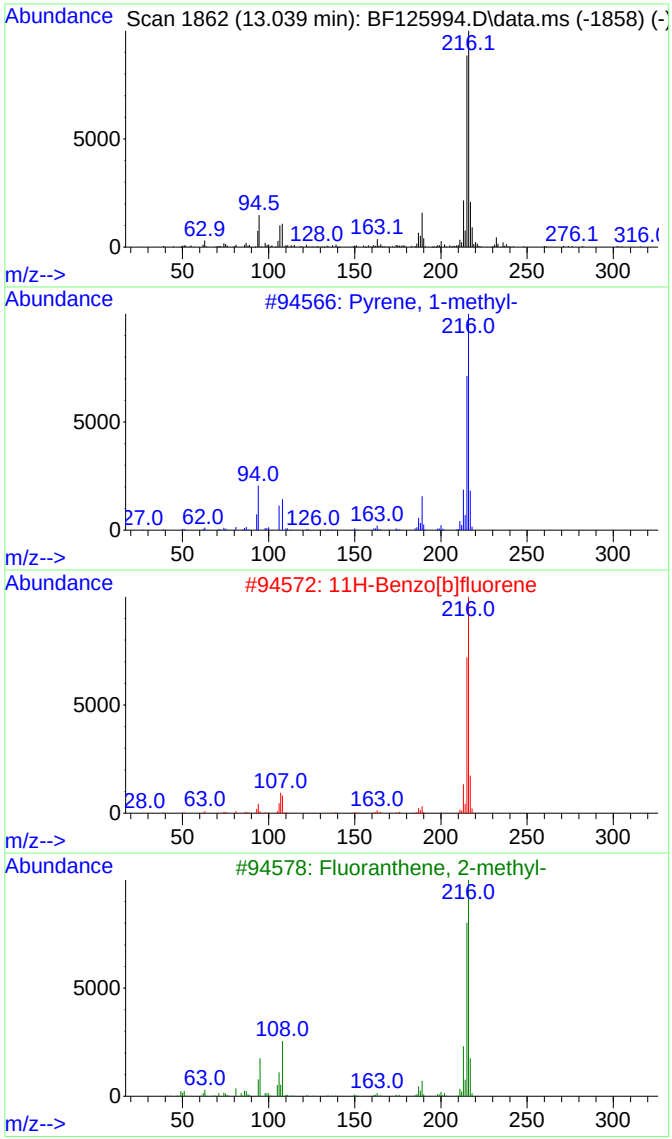
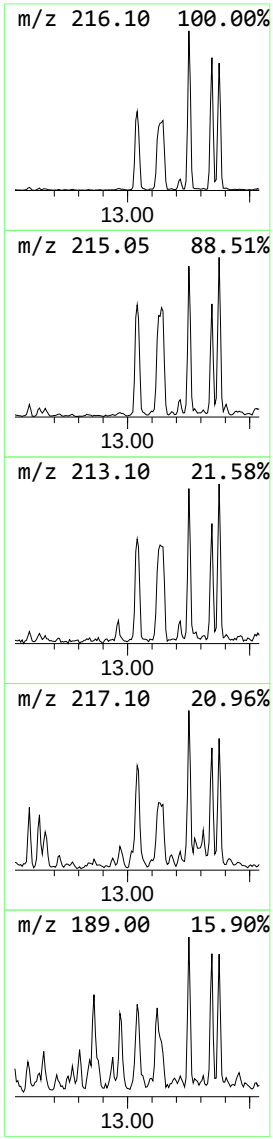
Peak Number 11 11H-Benzo[b]fluorene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.039	4.13 ng	504636	Chrysene-d12	14.015

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	96
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	91
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	76
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	76
5	Pyrene, 2-methyl-	216	C17H12	003442-78-2	70





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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
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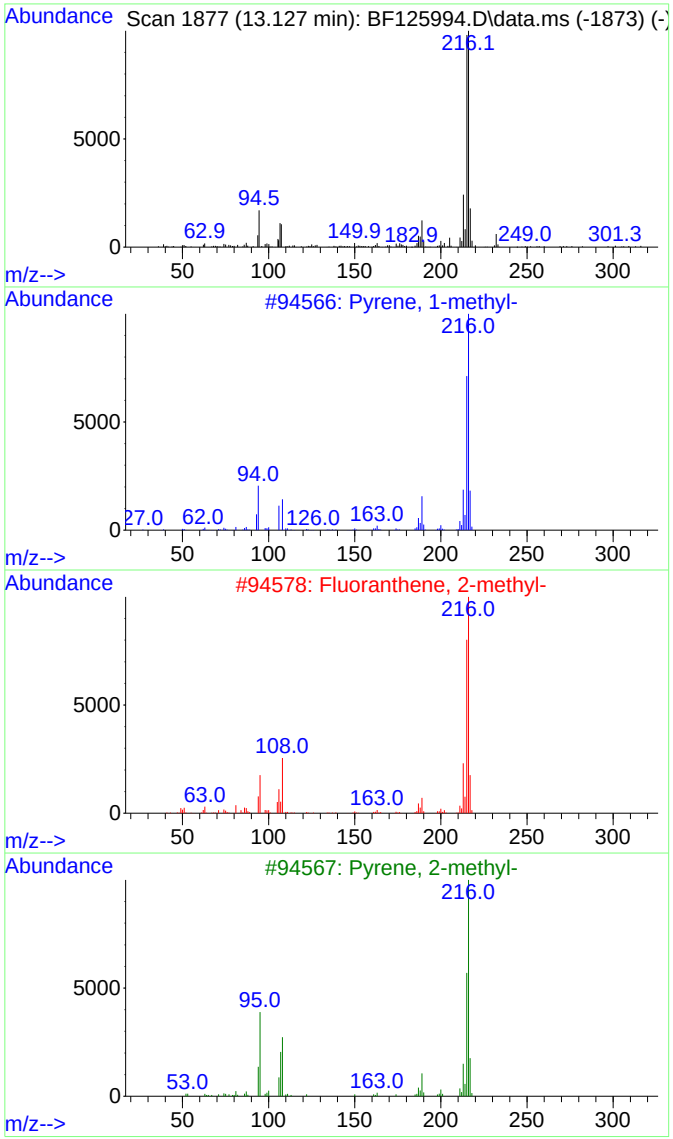
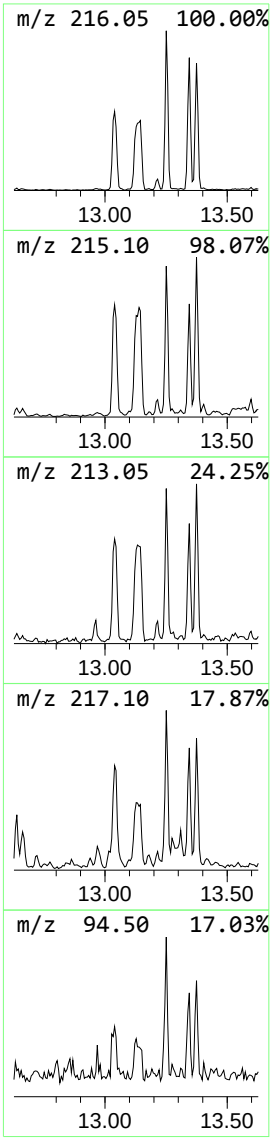
Peak Number 12 Fluoranthene, 2-methyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.127	2.75 ng	336020	Chrysene-d12	14.015

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	96
2	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	96
3	Pyrene, 2-methyl-	216	C17H12	003442-78-2	86
4	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	81
5	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	74





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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
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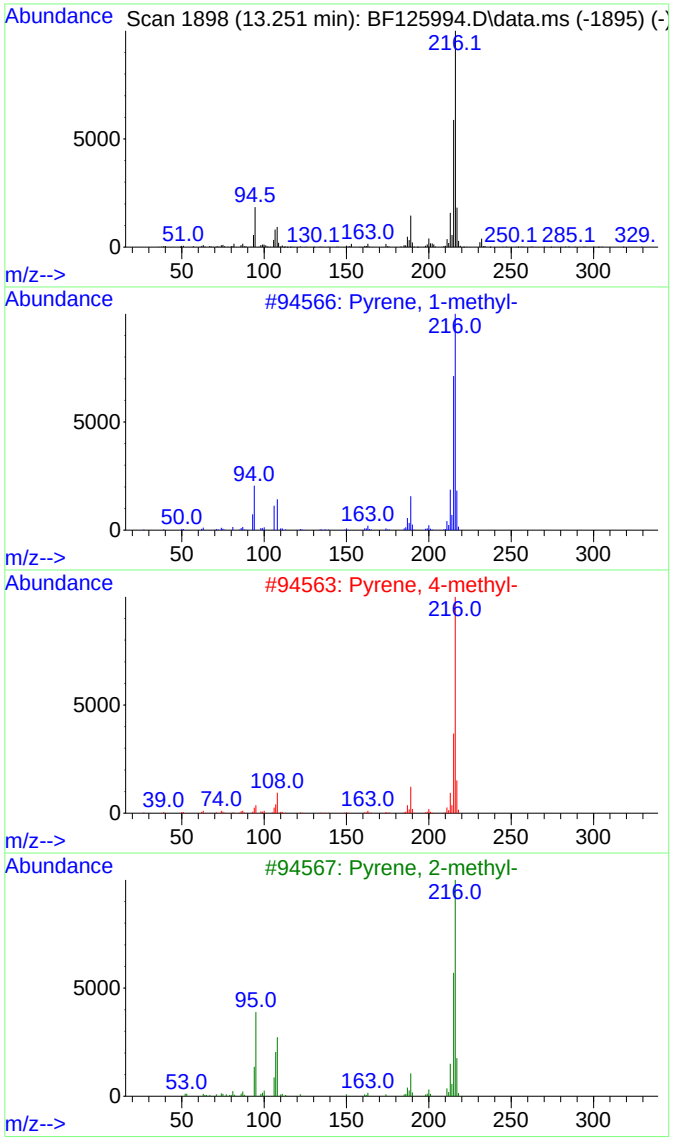
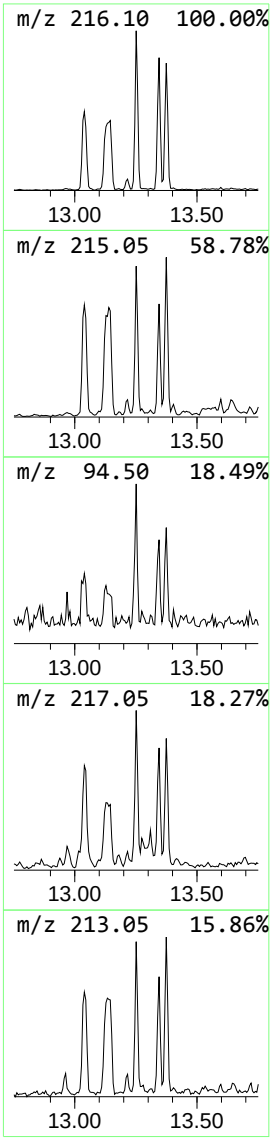
Peak Number 13 Pyrene, 4-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.251	4.49 ng	548317	Chrysene-d12	14.015

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	96
2	Pyrene, 4-methyl-	216	C17H12	003353-12-6	95
3	Pyrene, 2-methyl-	216	C17H12	003442-78-2	93
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	93
5	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	87





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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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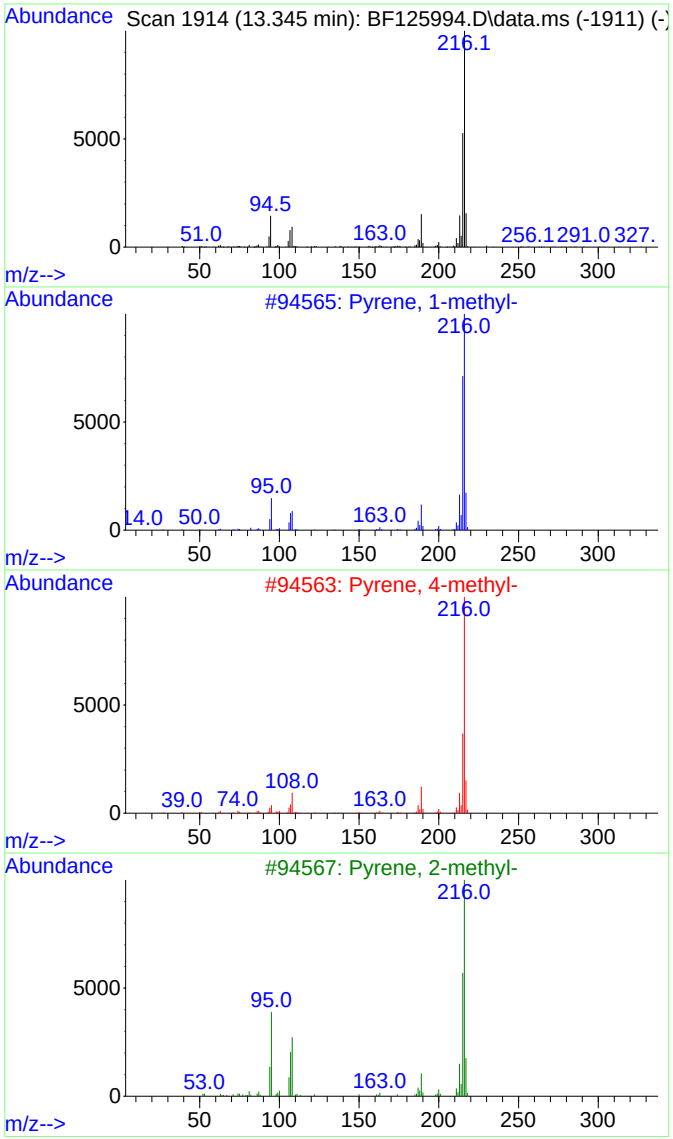
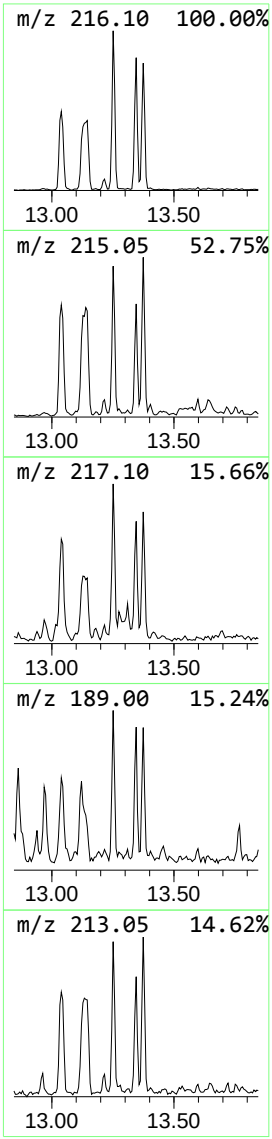
Peak Number 14 Pyrene, 2-methyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.345	2.87 ng	350482	Chrysene-d12	14.015

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	96
2	Pyrene, 4-methyl-	216	C17H12	003353-12-6	94
3	Pyrene, 2-methyl-	216	C17H12	003442-78-2	94
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	90
5	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	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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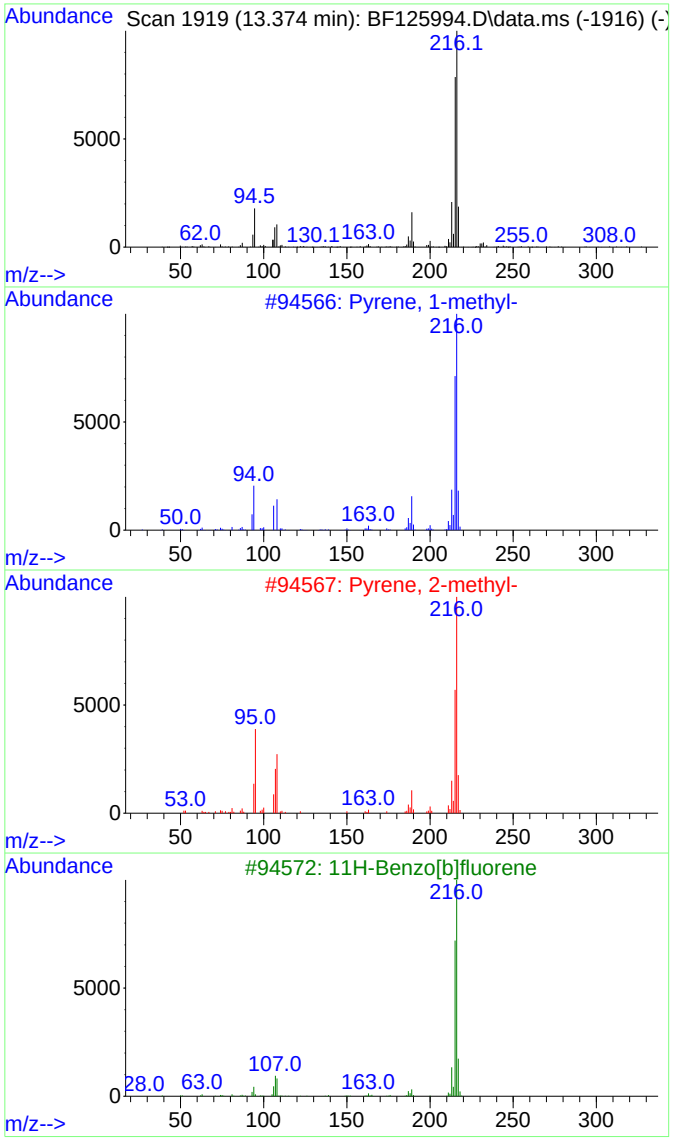
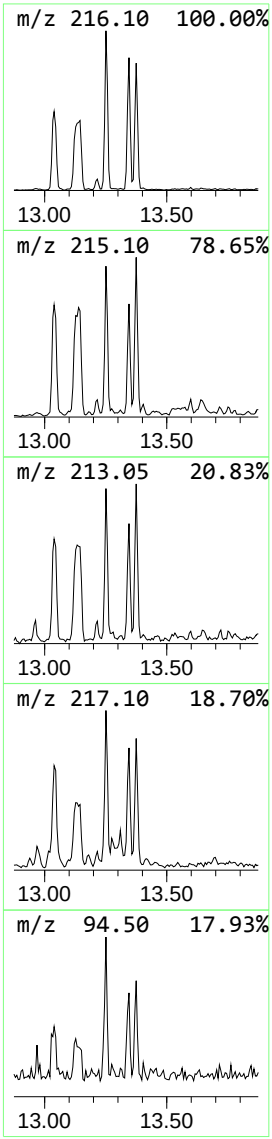
Peak Number 15 Pyrene, 1-methyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.374	3.18 ng	388305	Chrysene-d12	14.015

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	98
2	Pyrene, 2-methyl-	216	C17H12	003442-78-2	93
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	90
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	90
5	Pyrene, 4-methyl-	216	C17H12	003353-12-6	90





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Misc :
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TIC Library : C:\Database\NIST20.L
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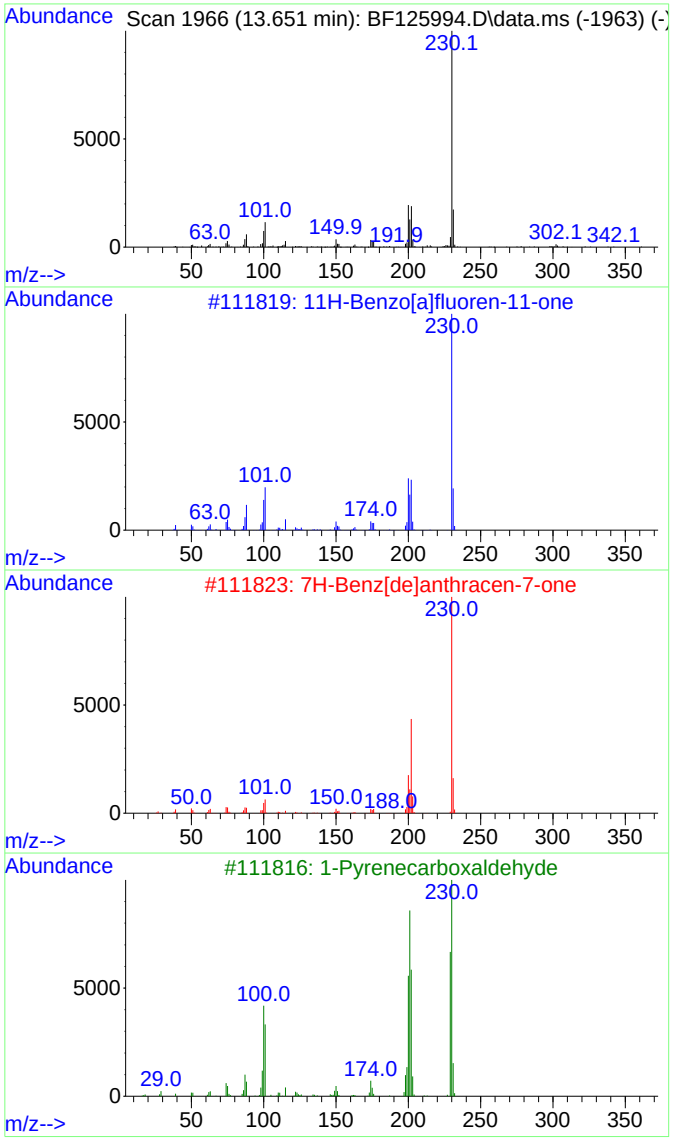
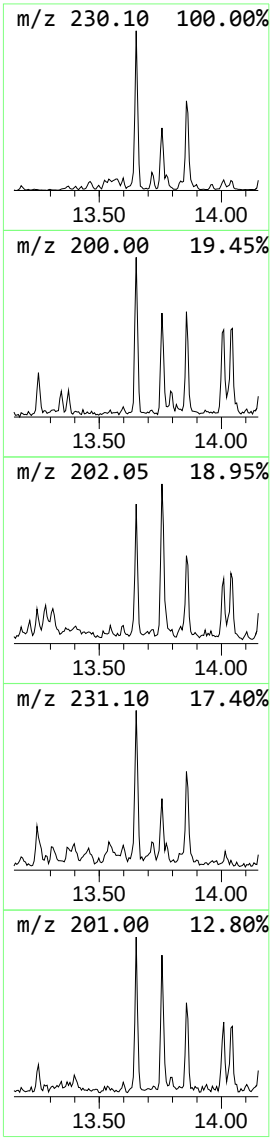
Peak Number 16 11H-Benzo[a]fluoren-11-one Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.651	2.69 ng	328803	Chrysene-d12	14.015

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	91
3	1-Pyrenecarboxaldehyde	230	C17H10O	003029-19-4	72
4	Pyrene, 1,3-dimethyl-	230	C18H14	064401-21-4	59
5	5,6-Dihydrochrysene	230	C18H14	002091-92-1	53





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Data File : BF125994.D
Acq On : 28 Oct 2021 17:57
Operator : JU/CG
Sample : M4336-02 5X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : C1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF102521.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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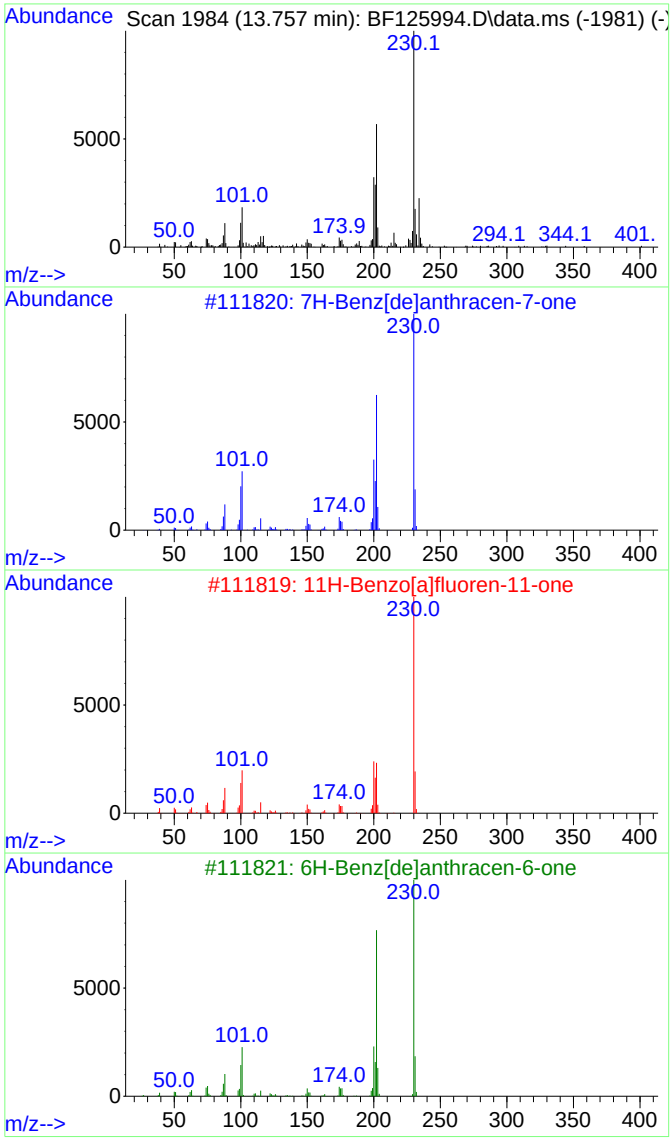
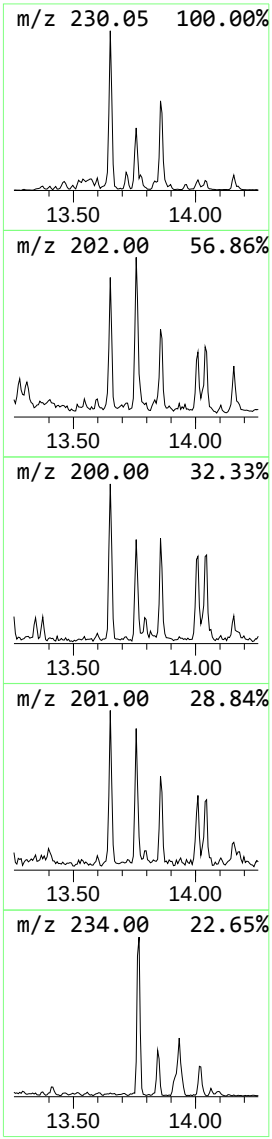
Peak Number 17 7H-Benz[de]anthracen-7-one Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.757	3.30 ng	403548	Chrysene-d12	14.015

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	97
2	11H-Benzo[a]fluoren-11-one	230	C17H10O	000479-79-8	96
3	6H-Benz[de]anthracen-6-one	230	C17H10O	080252-14-8	94
4	1-Pyrenecarboxaldehyde	230	C17H10O	003029-19-4	76
5	4-Pyrenecarbaldehyde	230	C17H10O	022245-51-8	68





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Data File : BF125994.D
Acq On : 28 Oct 2021 17:57
Operator : JU/CG
Sample : M4336-02 5X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : C1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF102521.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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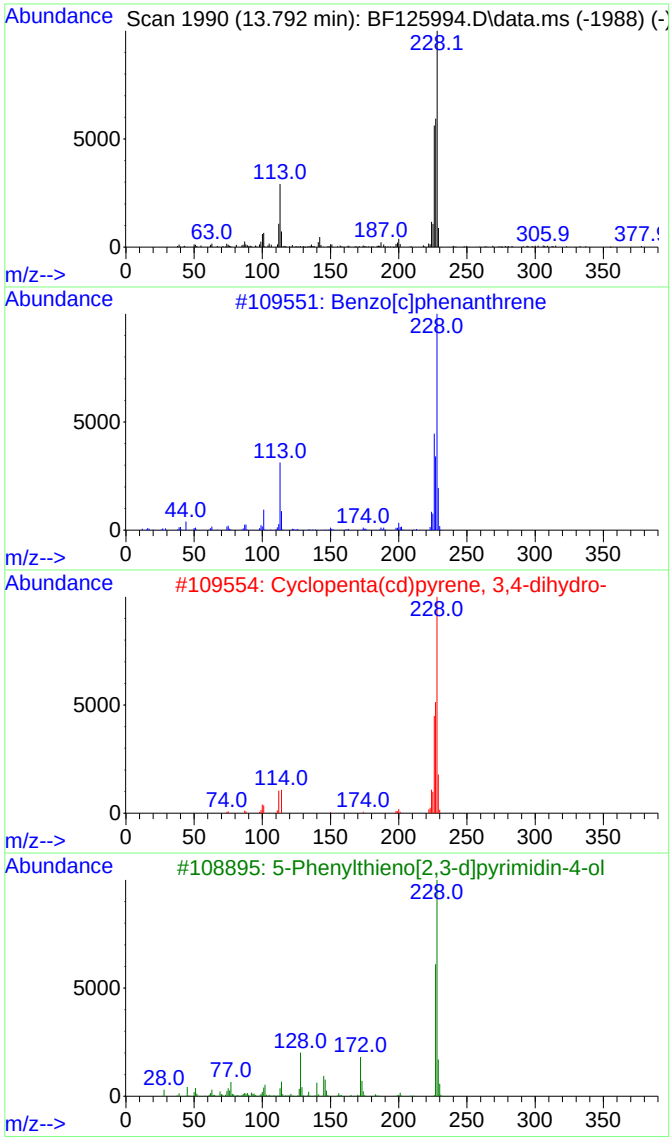
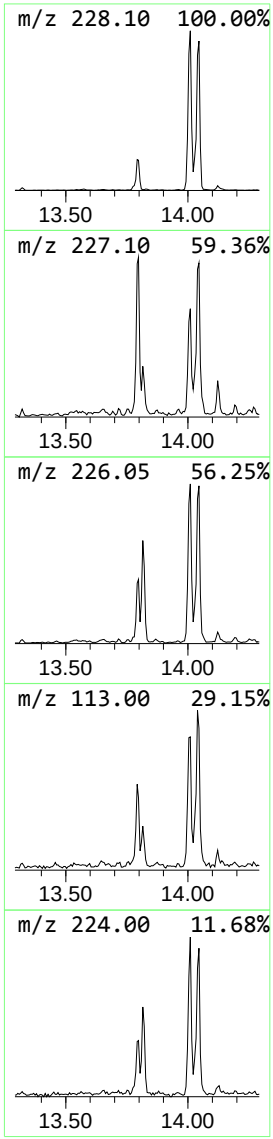
Peak Number 18 Benzo[c]phenanthrene Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.792	2.45 ng	299766	Chrysene-d12	14.015

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[c]phenanthrene	228	C18H12	000195-19-7	60
2	Cyclopenta(cd)pyrene, 3,4-dihydro-	228	C18H12	025732-74-5	53
3	5-Phenylthieno[2,3-d]pyrimidin-4-ol	228	C12H8N2OS	035978-39-3	43
4	Chrysene	228	C18H12	000218-01-9	43
5	Triphenylene	228	C18H12	000217-59-4	43





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Data File : BF125994.D
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Operator : JU/CG
Sample : M4336-02 5X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : C1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF102521.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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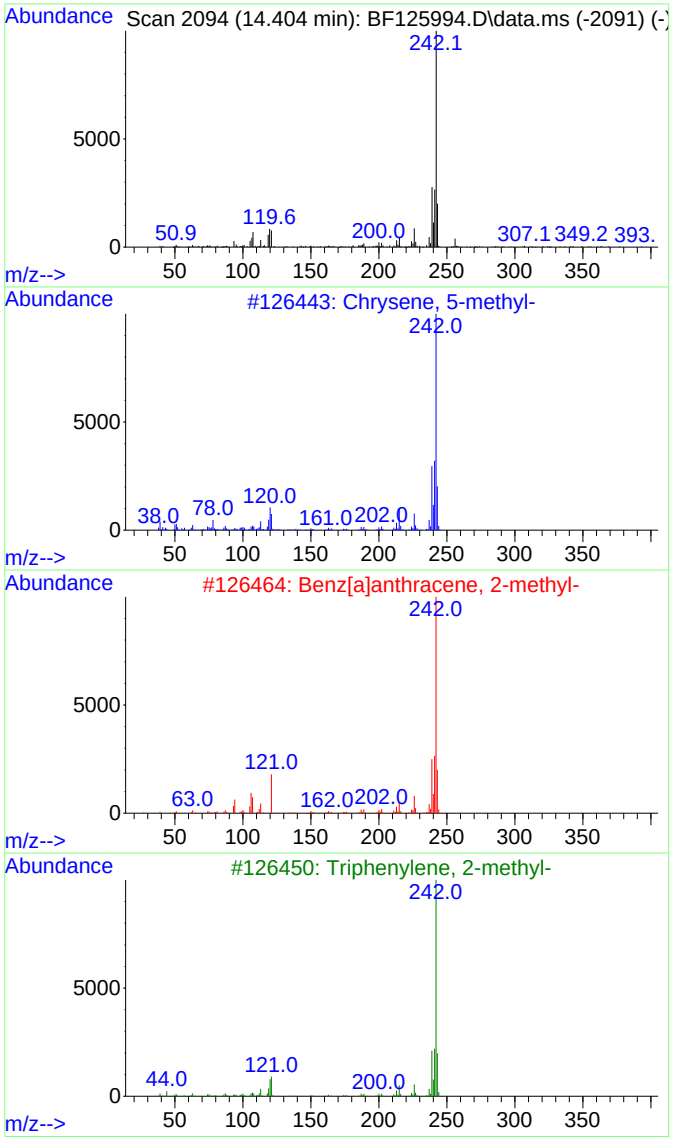
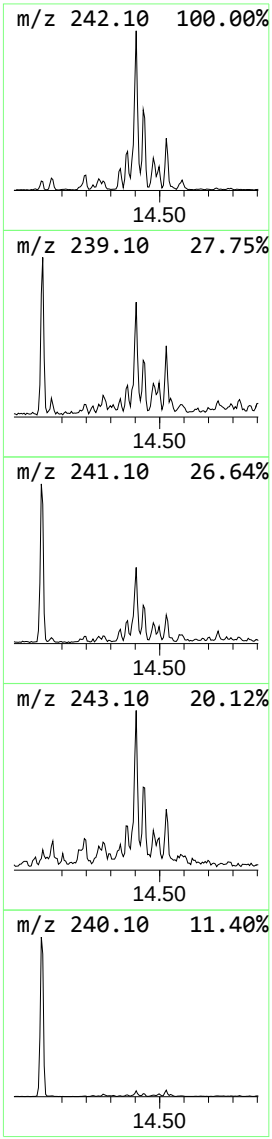
Peak Number 19 Chrysene, 5-methyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.404	3.13 ng	382584	Chrysene-d12	14.015

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Chrysene, 5-methyl-	242	C19H14	003697-24-3	93
2	Benz[a]anthracene, 2-methyl-	242	C19H14	002498-76-2	90
3	Triphenylene, 2-methyl-	242	C19H14	001705-84-6	90
4	Chrysene, 1-methyl-	242	C19H14	003351-28-8	89
5	2-Methylchrysene	242	C19H14	003351-32-4	89





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Data File : BF125994.D
Acq On : 28 Oct 2021 17:57
Operator : JU/CG
Sample : M4336-02 5X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : C1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF102521.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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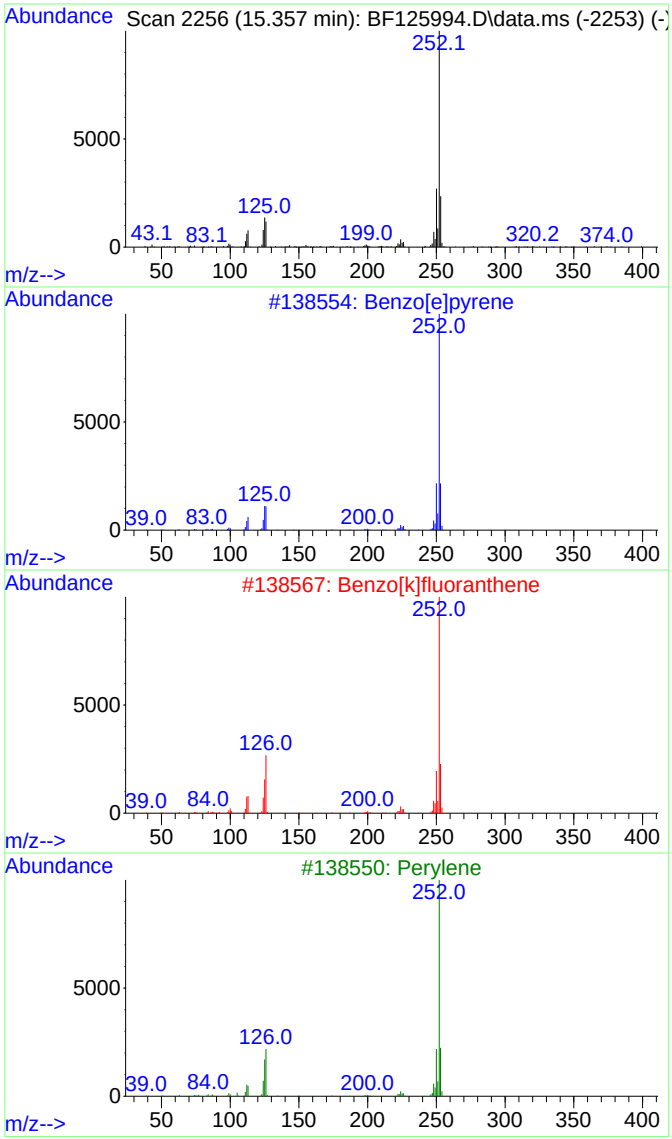
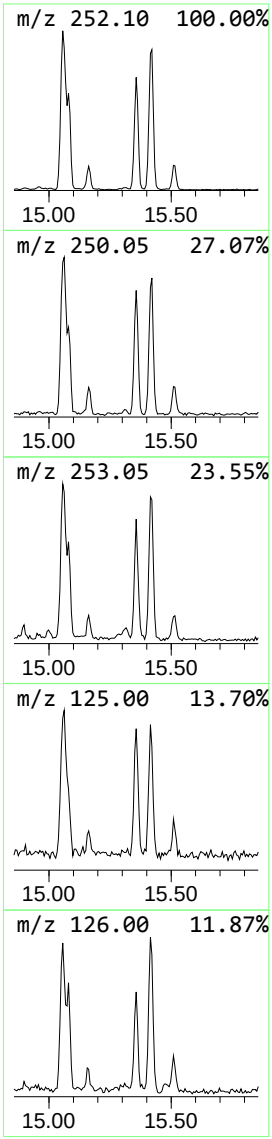
Peak Number 20 Benzo[e]pyrene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.357	8.52 ng	337742	Perylene-d12	15.480

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





Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102821\
Data File : BF125994.D
Acq On : 28 Oct 2021 17:57
Operator : JU/CG
Sample : M4336-02 5X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : C1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF102521.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
1H-Indene, 2-ph...	11.880	5.5	ng	382919	4	11.380	1395790	20.0
Anthracene, 9-m...	11.910	6.2	ng	431200	4	11.380	1395790	20.0
Anthracene, 2-m...	11.992	10.3	ng	717036	4	11.380	1395790	20.0
Phenanthrene, 2...	12.016	5.2	ng	364837	4	11.380	1395790	20.0
Naphthalene, 2-...	12.174	3.8	ng	268032	4	11.380	1395790	20.0
9,10-Anthracene...	12.198	4.1	ng	283208	4	11.380	1395790	20.0
Phenanthrene, 2...	12.433	5.7	ng	400651	4	11.380	1395790	20.0
Phenanthrene, 3...	12.463	4.5	ng	310436	4	11.380	1395790	20.0
Cyclopenta(def)...	12.516	6.0	ng	416168	4	11.380	1395790	20.0
Phenanthrene, 4...	12.657	2.6	ng	184335	4	11.380	1395790	20.0
11H-Benzo[b]flu...	13.039	4.1	ng	504636	5	14.015	2444150	20.0
Fluoranthene, 2...	13.127	2.8	ng	336020	5	14.015	2444150	20.0
Pyrene, 4-methyl-	13.251	4.5	ng	548317	5	14.015	2444150	20.0
Pyrene, 2-methyl-	13.345	2.9	ng	350482	5	14.015	2444150	20.0
Pyrene, 1-methyl-	13.374	3.2	ng	388305	5	14.015	2444150	20.0
11H-Benzo[a]flu...	13.651	2.7	ng	328803	5	14.015	2444150	20.0
7H-Benz[de]anth...	13.757	3.3	ng	403548	5	14.015	2444150	20.0
Benzo[c]phenant...	13.792	2.5	ng	299766	5	14.015	2444150	20.0
Chrysene, 5-met...	14.404	3.1	ng	382584	5	14.015	2444150	20.0
Benzo[e]pyrene	15.357	8.5	ng	337742	6	15.480	792477	20.0