LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF050923\
Data File : BF133316.D
Acq On : 09 May 2023 14:32
Operator : CG\JU
Sample : 02665-08
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TR-612-COMP-02

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-BF042123.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF133316.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.263	364	370	377	rBV	43288	56832	1.26%	0.113%
2	4.910	474	480	491	rVB	1422428	1827812	40.57%	3.646%
3	5.334	548	552	555	rBV	4139096	3994447	88.67%	7.967%
4	5.728	616	619	625	rBV	120677	102598	2.28%	0.205%
5	6.363	722	727	730	rBV	4142213	4031186	89.48%	8.040%
6	6.716	784	787	791	rBV	1264467	1090817	24.21%	2.176%
7	7.286	879	884	887	rBV	3020586	2613527	58.01%	5.213%
8	8.004	1002	1006	1009	rBV	1914871	1478636	32.82%	2.949%
9	8.716	1123	1127	1130	rVB	124118	94931	2.11%	0.189%
10	8.816	1139	1144	1148	rVB	168099	142506	3.16%	0.284%
11	9.080	1185	1189	1192	rBV	5467351	4504972	100.00%	8.985%
12	9.345	1229	1234	1237	rBV	104994	129182	2.87%	0.258%
13	9.416	1242	1246	1248	rBV	222054	201342	4.47%	0.402%
14	9.439	1248	1250	1254	rVB	136277	106341	2.36%	0.212%
15	9.533	1262	1266	1272	rVB2	104436	129514	2.87%	0.258%
16	9.616	1275	1280	1283	rBV	186935	154571	3.43%	0.308%
17	9.751	1300	1303	1307	rVB	1769135	1600560	35.53%	3.192%
18	9.786	1307	1309	1313	rVB2	68413	57660	1.28%	0.115%
19	9.957	1332	1338	1342	rBV	102206	102739	2.28%	0.205%
20	9.998	1342	1345	1348	rVB	107799	79508	1.76%	0.159%
21	10.069	1353	1357	1360	rBV2	90469	96383	2.14%	0.192%
22	10.098	1360	1362	1368	rVB	66833	57140	1.27%	0.114%
23	10.163	1368	1373	1374	rBV2	66129	77832	1.73%	0.155%
24	10.298	1393	1396	1402	rVB2	201489	201830	4.48%	0.403%
25	10.363	1402	1407	1409	rBV2	46160	62886	1.40%	0.125%
26	10.469	1420	1425	1428	rBV	1087986	907309	20.14%	1.810%
27	10.545	1433	1438	1441	rBV	2809921	2586766	57.42%	5.159%
28	10.669	1455	1459	1463	rBV2	61397	57899	1.29%	0.115%
29	10.774	1474	1477	1481	rVB	103723	89285	1.98%	0.178%
30	10.845	1485	1489	1492	rBV2	115774	146870	3.26%	0.293%
31	10.874	1492	1494	1497	rVB	98139	73888	1.64%	0.147%
32	10.927	1501	1503	1506	rVB2	66557	61682	1.37%	0.123%
33	10.974	1506	1511	1513	rBV3	50512	62990	1.40%	0.126%
34	11.039	1519	1522	1527	rVB2	100450	100338	2.23%	0.200%
35	11.086	1527	1530	1533	rVV2	49111	63194	1.40%	0.126%
36	11.133	1533	1538	1543	rVB	123383	146229	3.25%	0.292%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF050923\
Data File : BF133316.D
Acq On : 09 May 2023 14:32
Operator : CG\JU
Sample : 02665-08
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TR-612-COMP-02

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-BF042123.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	11.233	1552	1555	1557	rBV	1812143	1626394	36.10%	3.244%
38	11.257	1557	1559	1563	rVV	1300454	1153587	25.61%	2.301%
39	11.310	1565	1568	1571	rVB	203413	162132	3.60%	0.323%
40	11.345	1571	1574	1577	rBV2	73995	86145	1.91%	0.172%
41	11.569	1608	1612	1617	rVB	164890	155290	3.45%	0.310%
42	11.651	1623	1626	1630	rVB	88945	94754	2.10%	0.189%
43	11.739	1637	1641	1643	rBV	456973	439081	9.75%	0.876%
44	11.763	1643	1645	1650	rVV	617806	640458	14.22%	1.277%
45	11.810	1650	1653	1656	rVV2	134196	135775	3.01%	0.271%
46	11.845	1656	1659	1661	rVV	588706	563435	12.51%	1.124%
47	11.868	1661	1663	1669	rVB	444976	378240	8.40%	0.754%
48	11.968	1678	1680	1683	rVB	72585	53536	1.19%	0.107%
49	12.033	1688	1691	1693	rVV	232303	209803	4.66%	0.418%
50	12.057	1693	1695	1701	rVB2	158278	169367	3.76%	0.338%
51	12.180	1714	1716	1719	rVB2	86600	69430	1.54%	0.138%
52	12.210	1719	1721	1724	rBV	127680	105830	2.35%	0.211%
53	12.233	1724	1725	1728	rVB	109185	77384	1.72%	0.154%
54	12.286	1728	1734	1737	rBV	372032	417031	9.26%	0.832%
55	12.321	1737	1740	1742	rBV2	183017	192748	4.28%	0.384%
56	12.345	1742	1744	1746	rVB	125014	96872	2.15%	0.193%
57	12.368	1746	1748	1753	rBV3	186962	234987	5.22%	0.469%
58	12.445	1757	1761	1765	rVB	1401322	1176782	26.12%	2.347%
59	12.492	1766	1769	1771	rBV	90114	94367	2.09%	0.188%
60	12.510	1771	1772	1775	rVB2	77910	54043	1.20%	0.108%
61	12.539	1775	1777	1778	rBV	86971	65598	1.46%	0.131%
62	12.598	1785	1787	1791	rVB3	56656	59142	1.31%	0.118%
63	12.674	1794	1800	1803	rBV	1522103	1409772	31.29%	2.812%
64	12.733	1806	1810	1814	rVB2	103539	159432	3.54%	0.318%
65	12.792	1817	1820	1821	rBV	82845	62657	1.39%	0.125%
66	12.821	1821	1825	1829	rVV	4334036	4305731	95.58%	8.588%
67	12.892	1832	1837	1841	rBV2	217078	302314	6.71%	0.603%
68	12.980	1849	1852	1854	rBV2	160058	202843	4.50%	0.405%
69	13.004	1854	1856	1859	rVB	323434	263123	5.84%	0.525%
70	13.068	1859	1867	1870	rBV2	209013	259071	5.75%	0.517%
71	13.104	1870	1873	1877	rBV	262881	261541	5.81%	0.522%
72	13.198	1886	1889	1892	rBV	227961	173812	3.86%	0.347%
73	13.227	1892	1894	1898	rVB	225701	181821	4.04%	0.363%
74	13.404	1921	1924	1926	rBV4	74723	68907	1.53%	0.137%
75	13.510	1939	1942	1947	rVB	145455	177870	3.95%	0.355%
76	13.615	1956	1960	1964	rBV2	132030	196923	4.37%	0.393%

LSC Area Percent Report

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Data File : BF133316.D
Acq On : 09 May 2023 14:32
Operator : CG\JU
Sample : 02665-08
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TR-612-COMP-02

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-BF042123.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

77	13.651	1964	1966	1968	rVB	87025	64149	1.42%	0.128%
78	13.715	1975	1977	1981	rBV2	92575	109512	2.43%	0.218%
79	13.757	1981	1984	1988	rVV6	50838	90801	2.02%	0.181%
80	13.868	1998	2003	2006	rBV2	1410977	1705773	37.86%	3.402%
81	13.892	2006	2007	2016	rVB	506713	469565	10.42%	0.937%
82	13.968	2016	2020	2023	rBV3	66205	106474	2.36%	0.212%
83	14.051	2032	2034	2038	rVB5	80421	82207	1.82%	0.164%
84	14.221	2061	2063	2065	rBV	59830	56156	1.25%	0.112%
85	14.257	2065	2069	2072	rVV	214623	225065	5.00%	0.449%
86	14.292	2072	2075	2078	rVB	134600	113779	2.53%	0.227%
87	14.351	2082	2085	2088	rVB2	113082	94893	2.11%	0.189%
88	14.380	2088	2090	2092	rBV	83742	74291	1.65%	0.148%
89	14.721	2144	2148	2149	rBV2	51423	64870	1.44%	0.129%
90	14.886	2171	2176	2179	rBV2	359546	546231	12.13%	1.089%
91	14.986	2191	2193	2197	rVB	90298	87075	1.93%	0.174%
92	15.168	2220	2224	2230	rVB	225648	291642	6.47%	0.582%
93	15.227	2230	2234	2240	rBV	365682	417212	9.26%	0.832%
94	15.292	2240	2245	2248	rBV	879018	1083265	24.05%	2.161%
95	15.739	2318	2321	2327	rBV4	54777	91208	2.02%	0.182%
96	16.656	2472	2477	2486	rVB3	150011	290399	6.45%	0.579%
97	17.068	2542	2547	2557	rVB	121730	241436	5.36%	0.482%

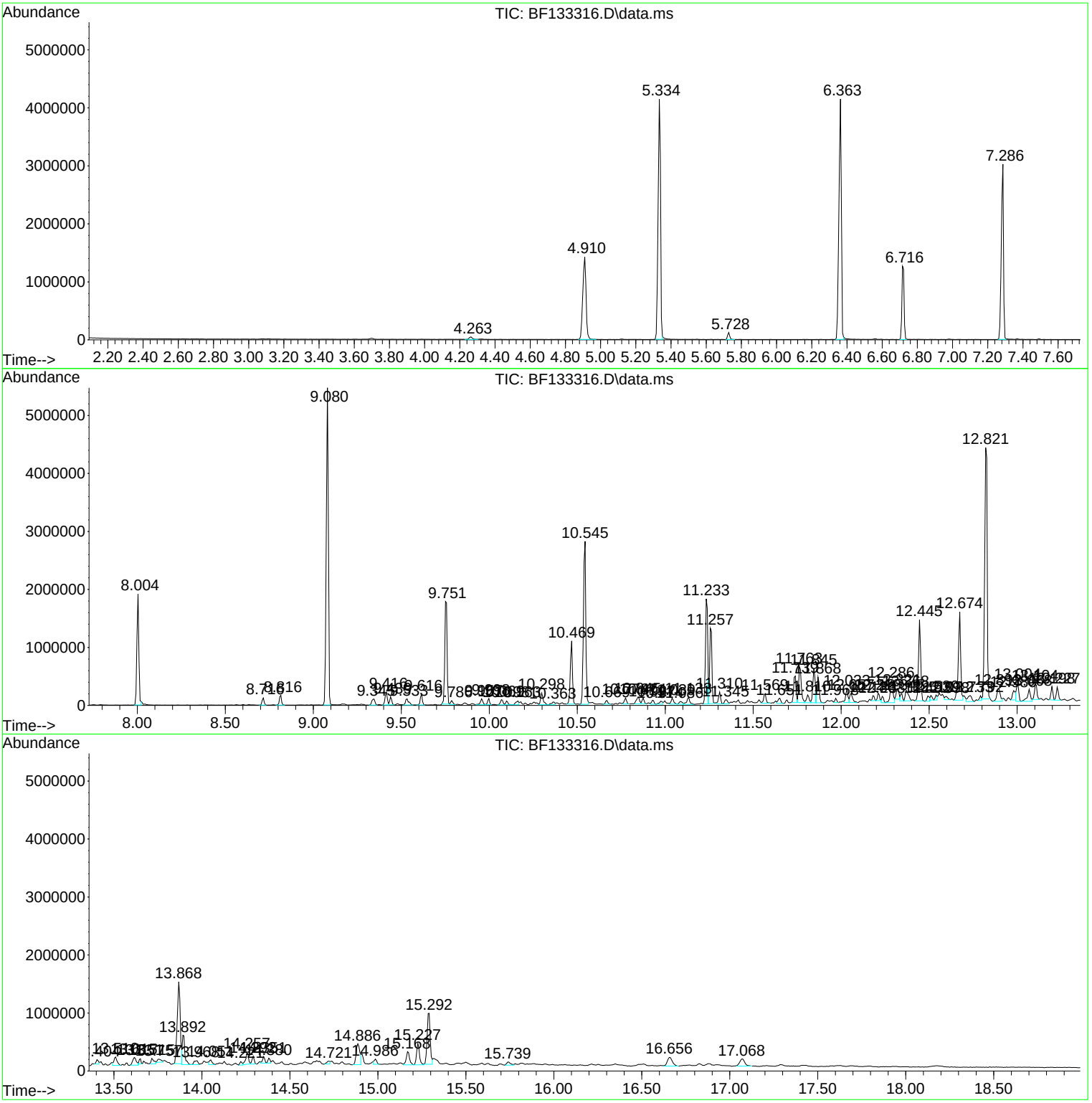
Sum of corrected areas: 50136233

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF050923\
Data File : BF133316.D
Acq On : 09 May 2023 14:32
Operator : CG\JU
Sample : 02665-08
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TR-612-COMP-02

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042123.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\BF050923\
Data File : BF133316.D
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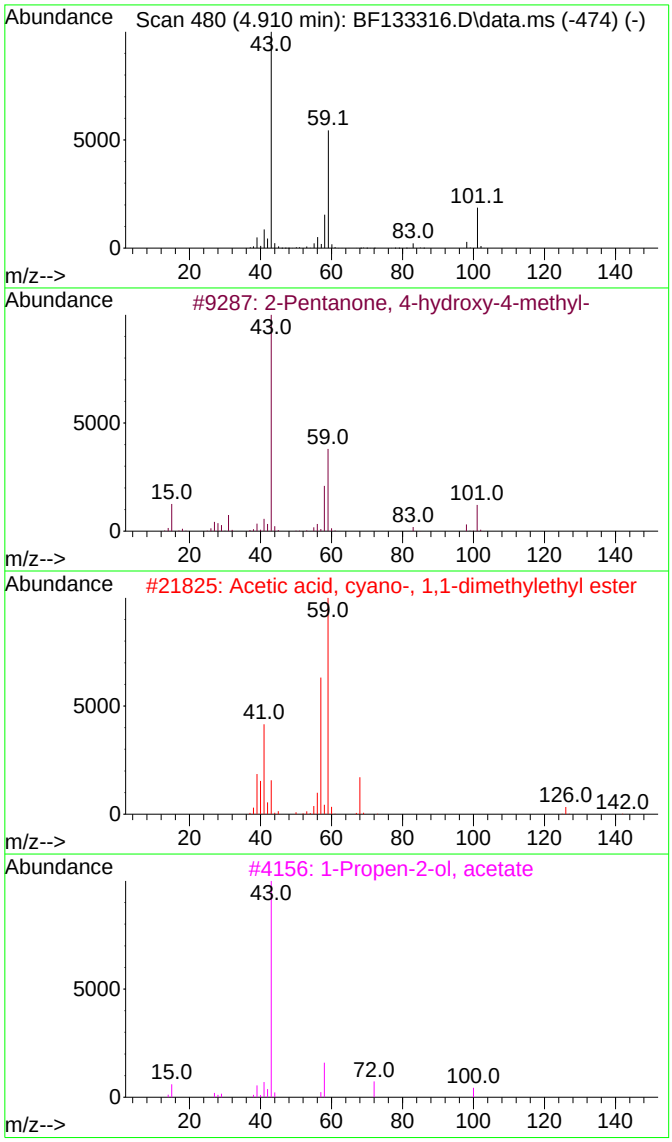
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

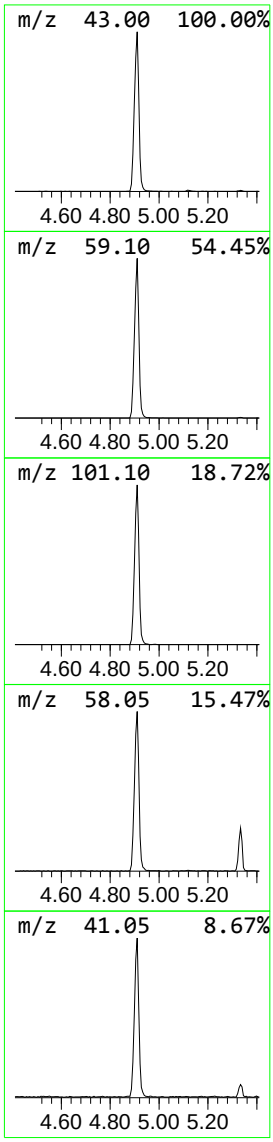
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.910	33.51 ng	1827810	1,4-Dichlorobenzene-d4	6.722

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	59
2	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	32
3	1-Propen-2-ol, acetate	100	C5H8O2	000108-22-5	12
4	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	9
5	Butyl aldoxime, 3-methyl-, syn-	101	C5H11NO	005780-40-5	9





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF050923\
Data File : BF133316.D
Acq On : 09 May 2023 14:32
Operator : CG\JU
Sample : 02665-08
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TR-612-COMP-02

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

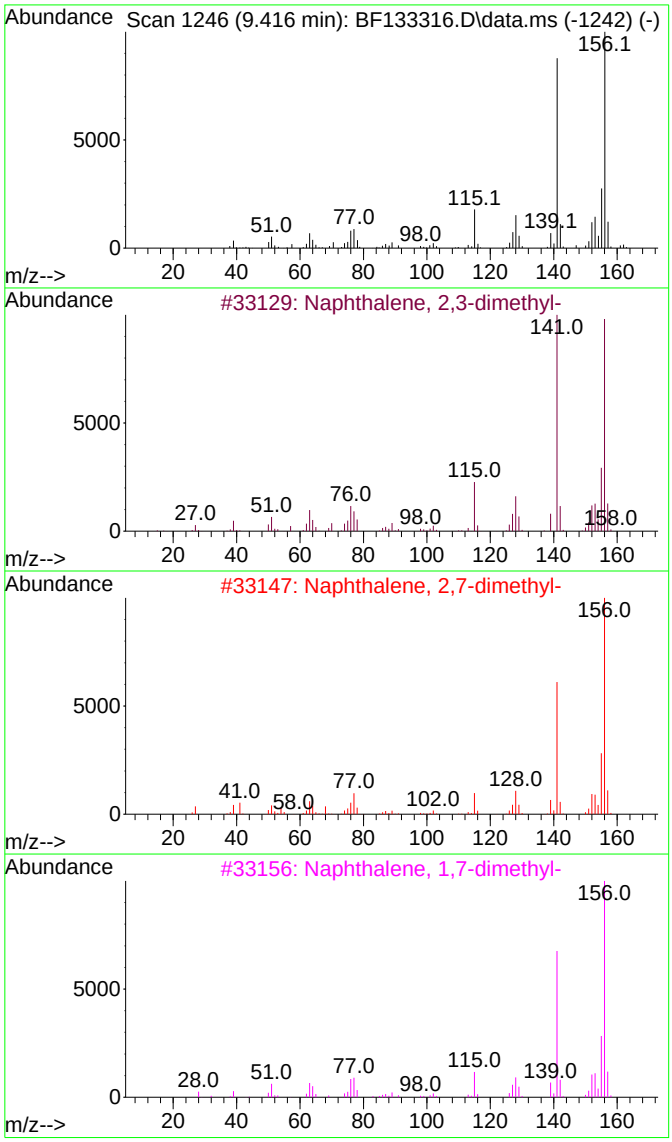
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

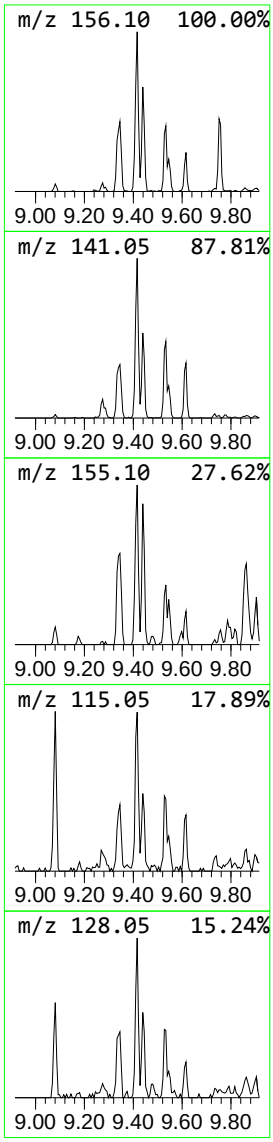
****

Peak Number 2 Naphthalene, 2,3-dimethyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.416	2.52 ng	201342	Acenaphthene-d10	9.757

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	98
2	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	97
3	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	97
4	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	97
5	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	97





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF050923\
Data File : BF133316.D
Acq On : 09 May 2023 14:32
Operator : CG\JU
Sample : 02665-08
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TR-612-COMP-02

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

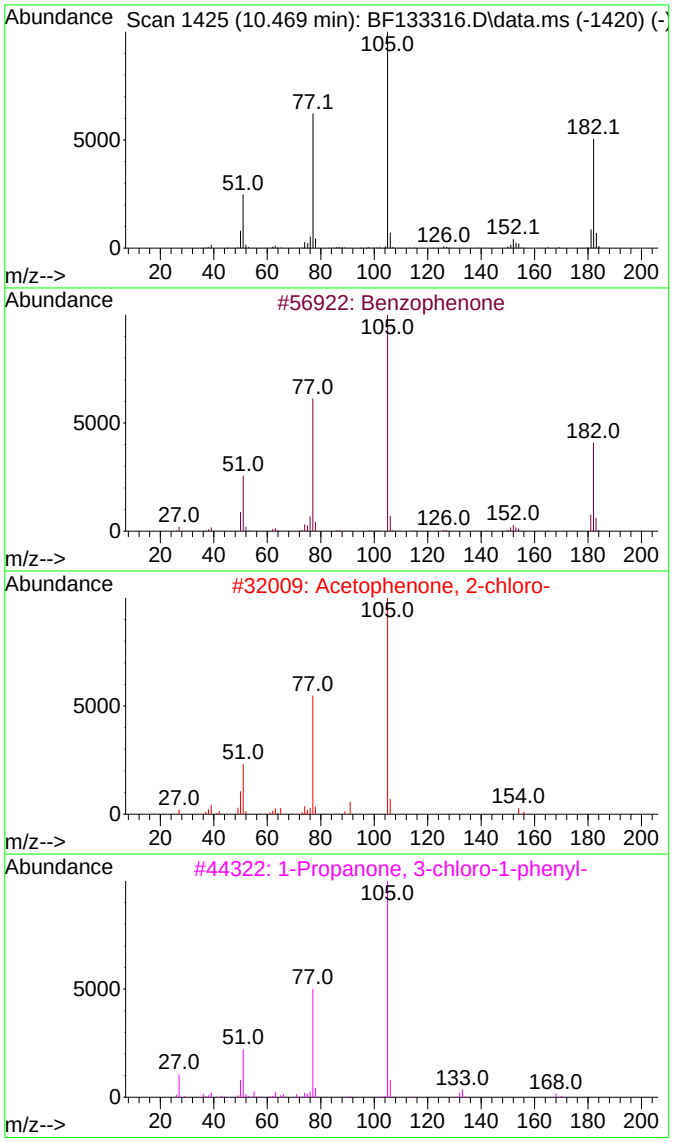
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

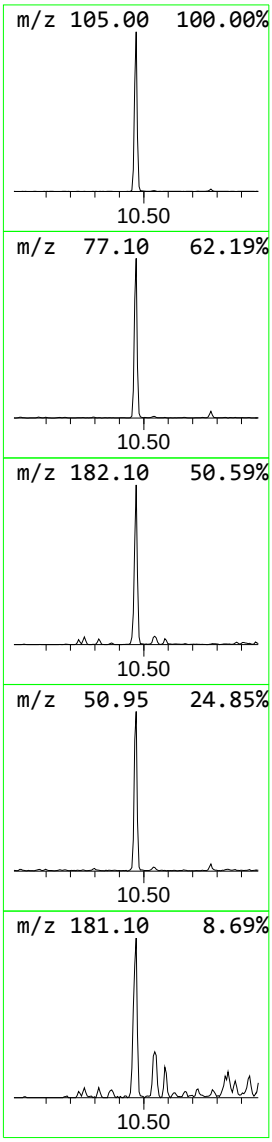
****

Peak Number 4 Benzophenone Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.469	11.34 ng	907309	Acenaphthene-d10	9.757

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzophenone	182	C13H10O	000119-61-9	97
2	Acetophenone, 2-chloro-	154	C8H7ClO	000532-27-4	49
3	1-Propanone, 3-chloro-1-phenyl-	168	C9H9ClO	000936-59-4	47
4	2-Benzoyl-4-bromo-5-methyl-1,2-o...	281	C11H8BrNO3	1000444-92-3	47
5	1-Propanone, 2-bromo-1-phenyl-	212	C9H9BrO	002114-00-3	47





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF050923\
Data File : BF133316.D
Acq On : 09 May 2023 14:32
Operator : CG\JU
Sample : 02665-08
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

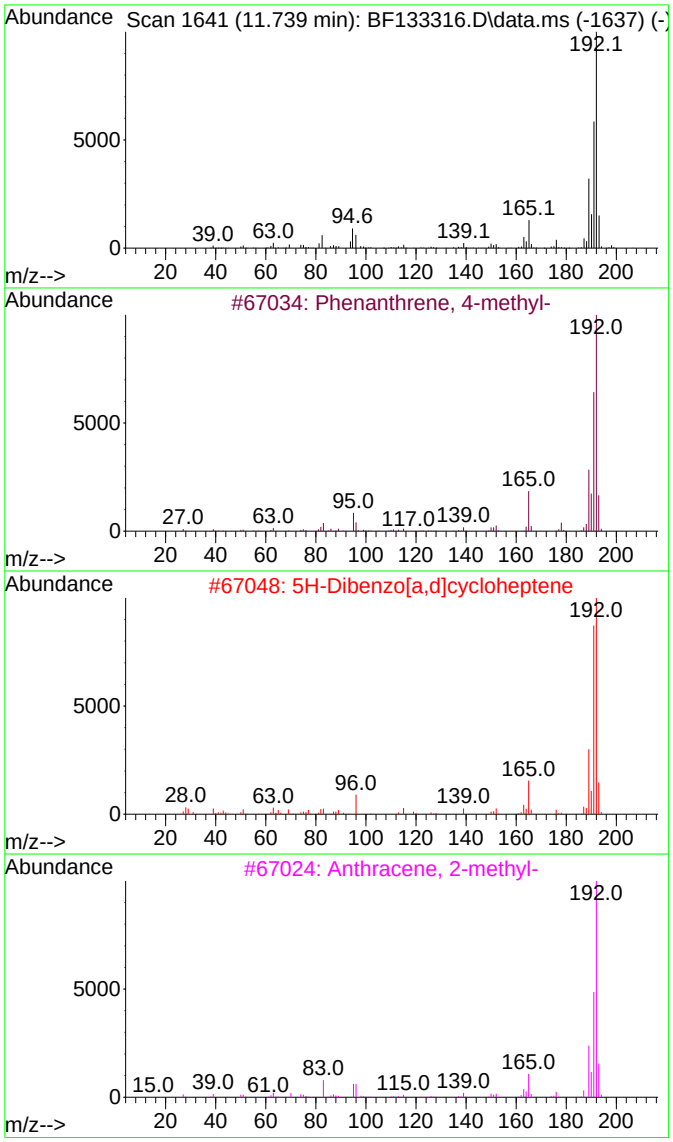
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

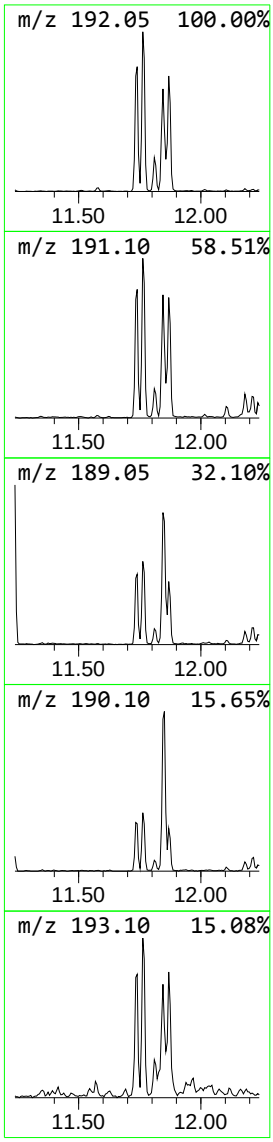
****

Peak Number 5 Phenanthrene, 4-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.739	5.40 ng	439081	Phenanthrene-d10	11.233

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	95
2	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	94
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	93
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF050923\
Data File : BF133316.D
Acq On : 09 May 2023 14:32
Operator : CG\JU
Sample : 02665-08
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TR-612-COMP-02

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

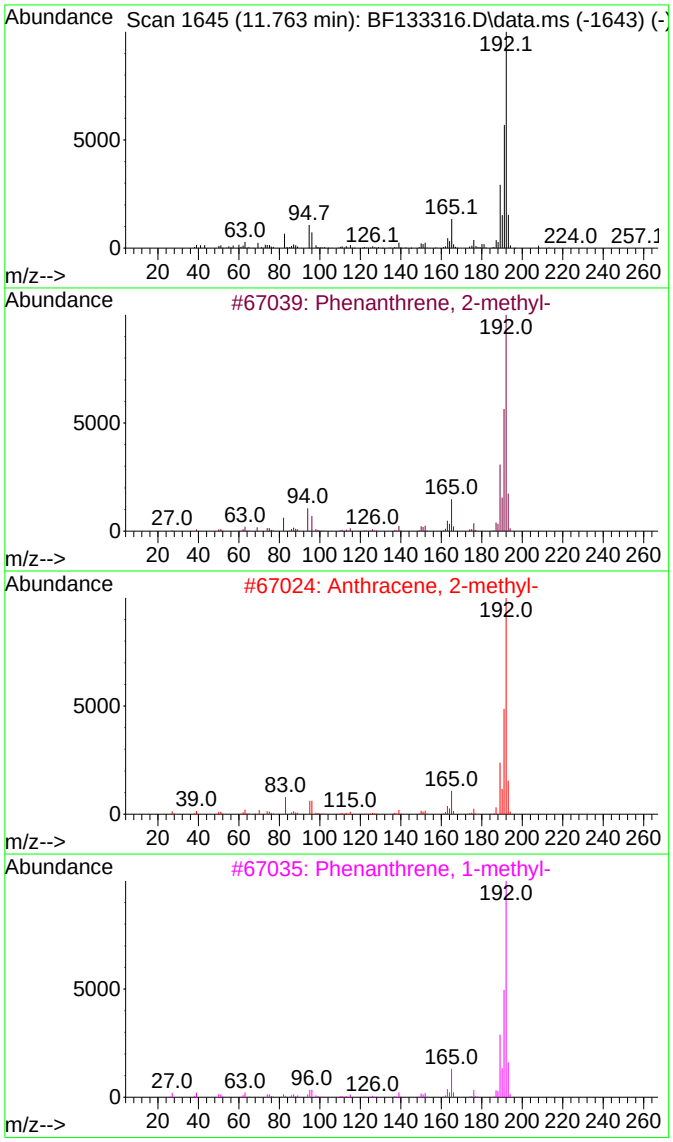
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

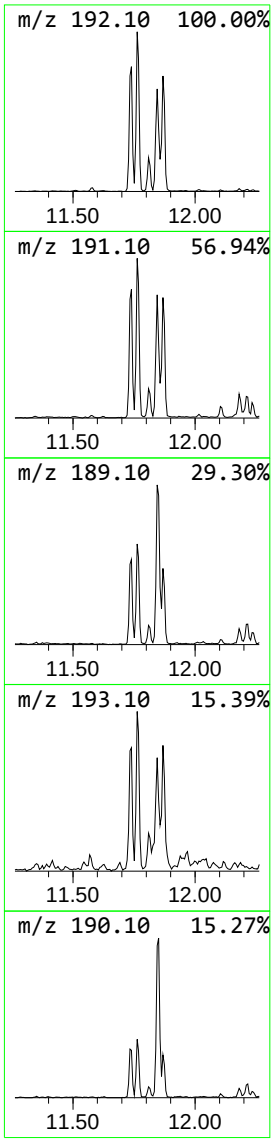
****

Peak Number 6 Phenanthrene, 2-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.763	7.88 ng	640458	Phenanthrene-d10	11.233

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	97
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	97
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	96
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	95





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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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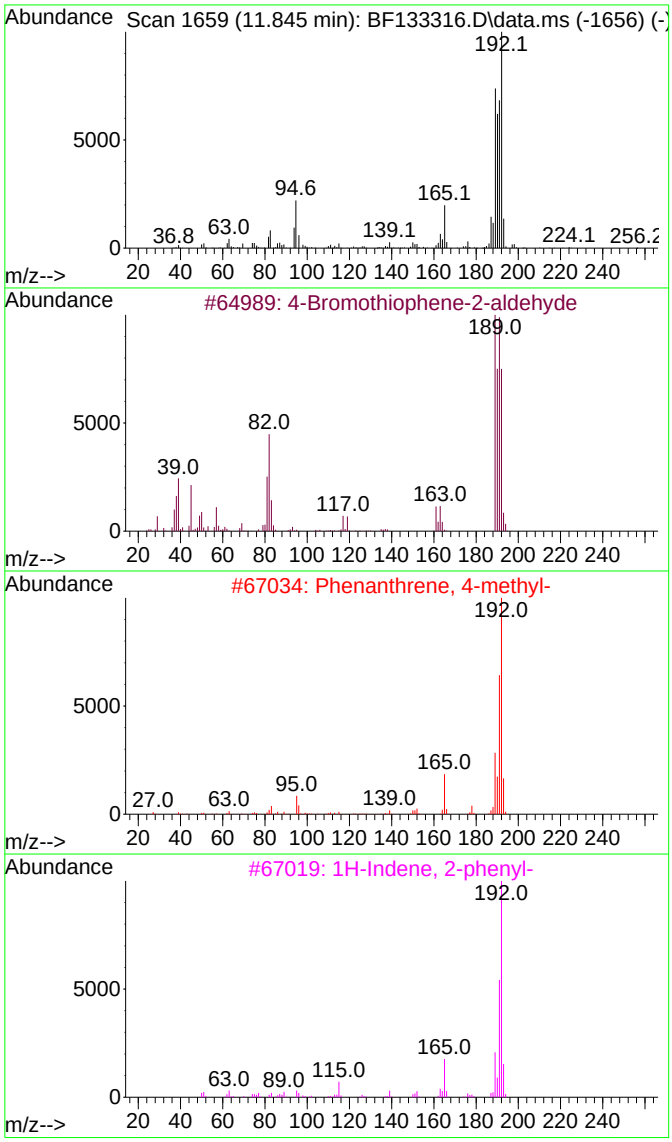
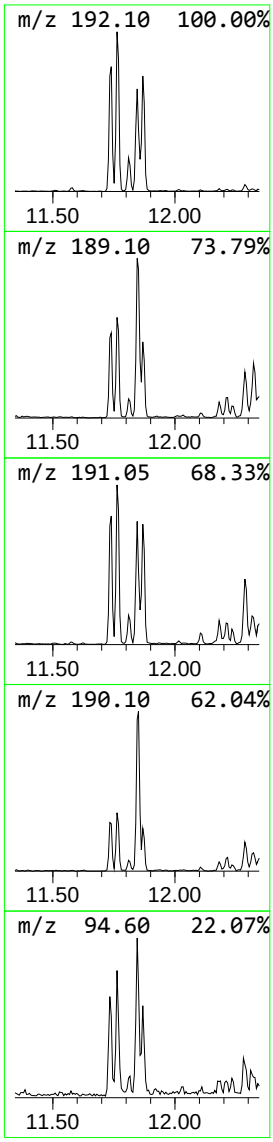
Peak Number 7 4-Bromothiophene-2-aldehyde Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.845	6.93 ng	563435	Phenanthrene-d10	11.233

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-Bromothiophene-2-aldehyde	190	C5H3BrOS	018791-75-8	52
2	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	50
3	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	50
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	46
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	46





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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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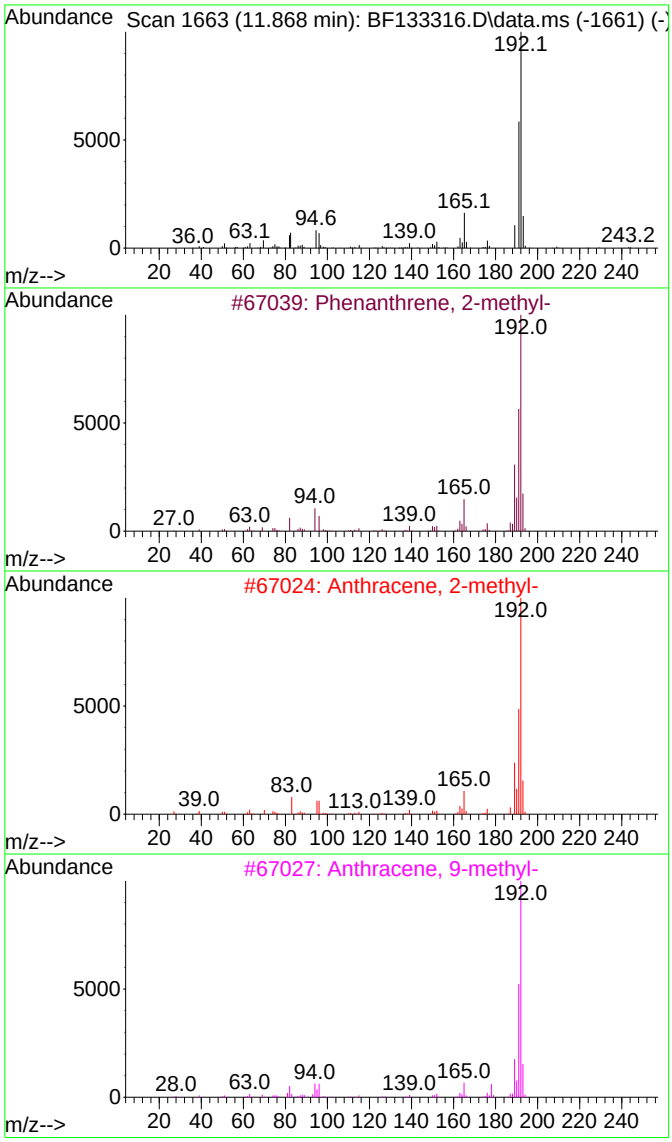
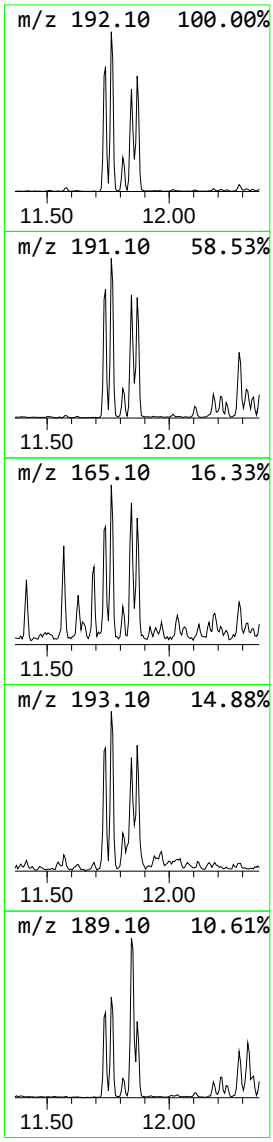
Peak Number 8 Anthracene, 2-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.868	4.65 ng	378240	Phenanthrene-d10	11.233

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	93
3	Anthracene, 9-methyl-	192	C15H12	000779-02-2	91
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	90
5	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	90





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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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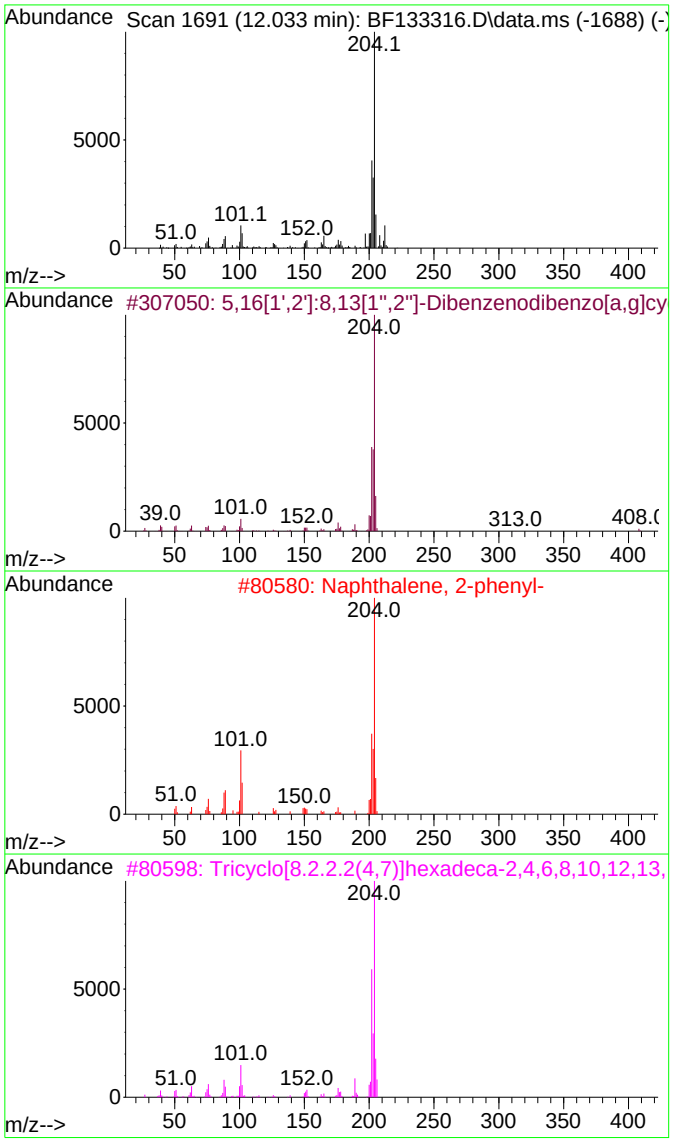
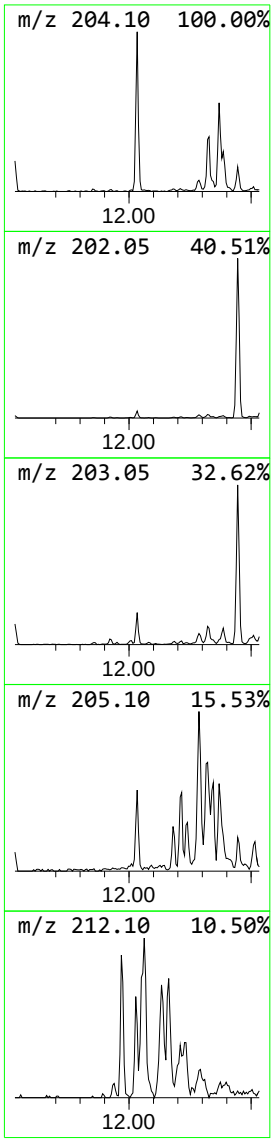
Peak Number 9 5,16[1',2']:8,13[1'',2'']-D... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.033	2.58 ng	209803	Phenanthrene-d10	11.233

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	86
2	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	64
3	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	64
4	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	58
5	6-Cyanophenanthridine	204	C14H8N2	002176-28-5	50





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TIC Library : C:\Database\NIST20.L
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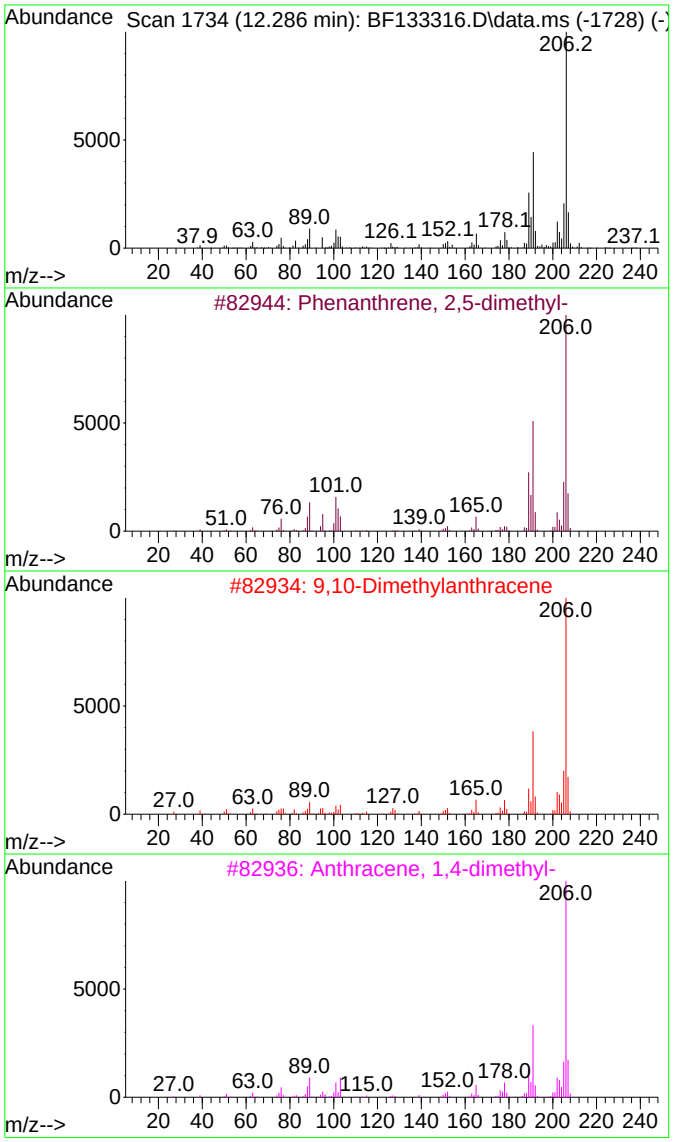
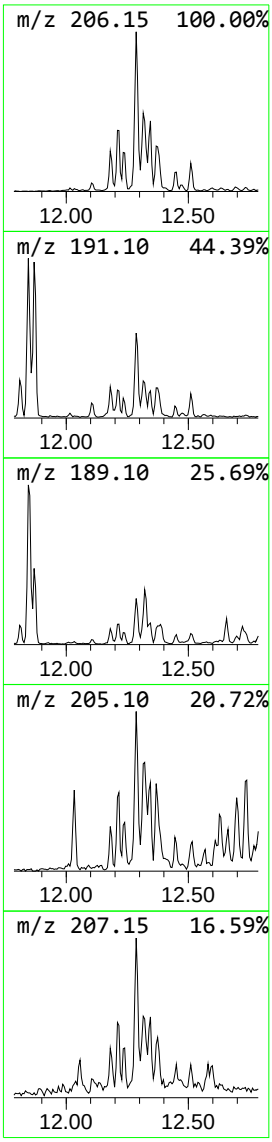
Peak Number 10 Phenanthrene, 2,5-dimethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.286	5.13 ng	417031	Phenanthrene-d10	11.233

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	97
2	9,10-Dimethylanthracene	206	C16H14	000781-43-1	96
3	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	93
4	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	93
5	di-p-Tolylacetylene	206	C16H14	002789-88-0	92





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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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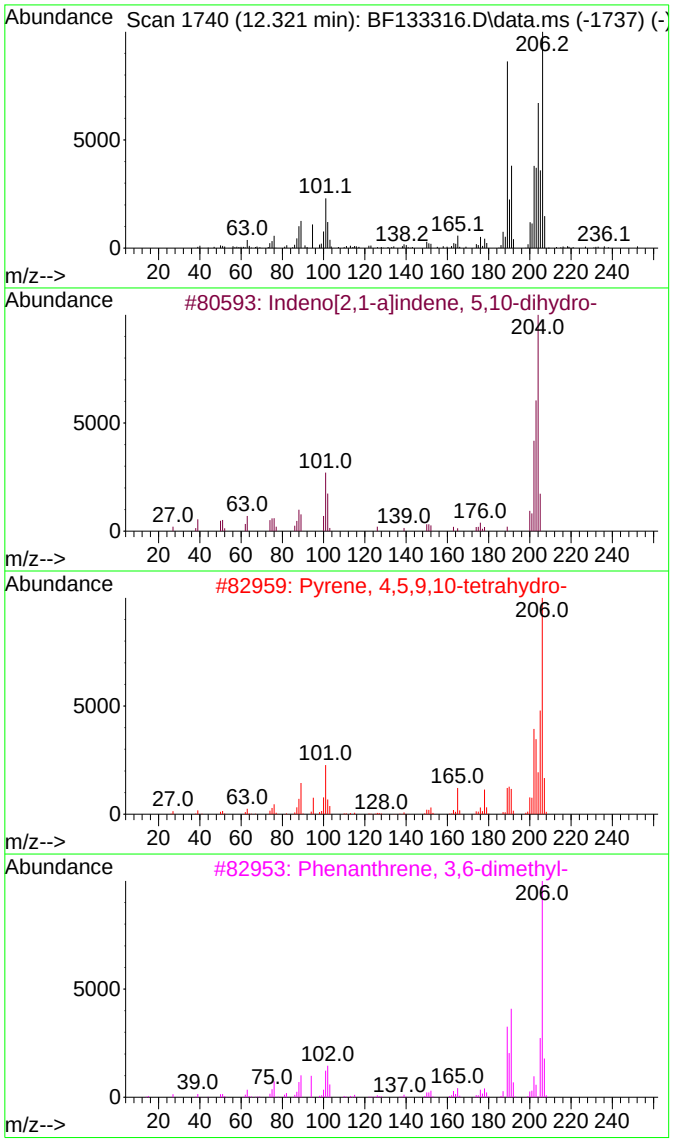
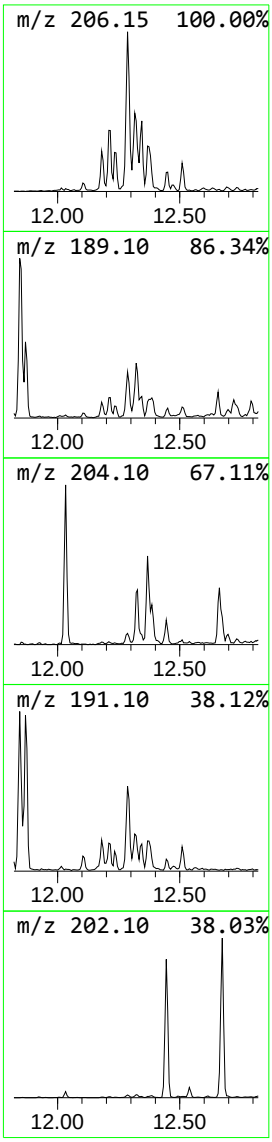
Peak Number 11 Indeno[2,1-a]indene, 5,10-d... Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.321	2.37 ng	192748	Phenanthrene-d10	11.233

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indeno[2,1-a]indene, 5,10-dihydro-	204	C16H12	006543-29-9	53
2	Pyrene, 4,5,9,10-tetrahydro-	206	C16H14	000781-17-9	46
3	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	46
4	1,3-Butadiene, 1,4-diphenyl-, (E...	206	C16H14	000538-81-8	43
5	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	43





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

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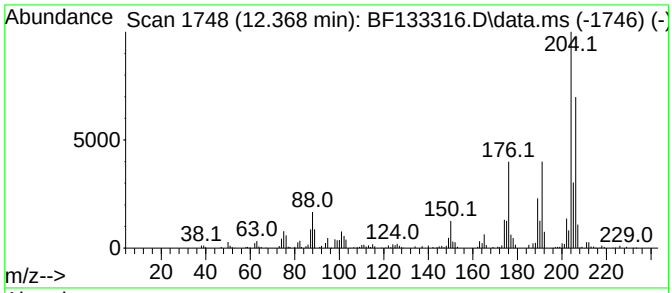
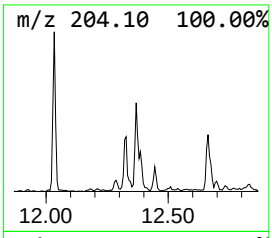
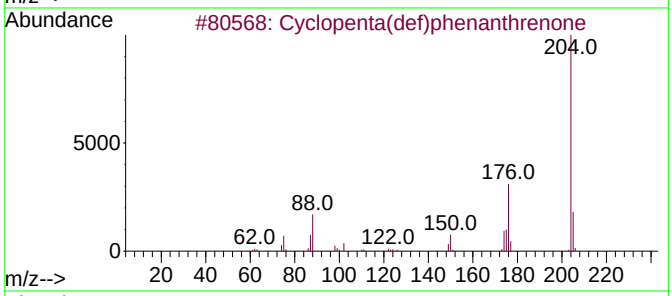
Peak Number 12 Cyclopenta(def)phenanthrenone Concentration Rank 13

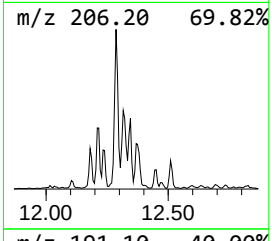
R.T.	EstConc	Area	Relative to ISTD	R.T.
12.368	2.89 ng	234987	Phenanthrene-d10	11.233

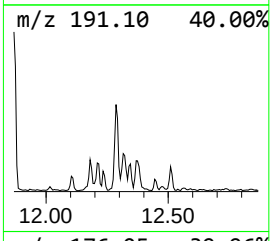
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	94
2	9,10-Dimethylanthracene	206	C16H14	000781-43-1	62
3	1,3-Diphenyl-3-methylcyclopropene	206	C16H14	086544-79-8	42
4	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	42
5	Anthracene, 2-ethyl-	206	C16H14	052251-71-5	42

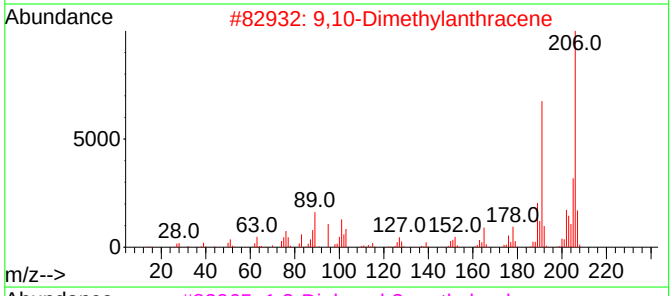


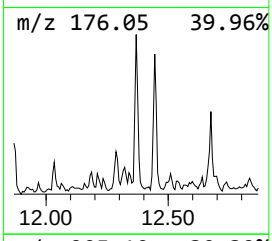


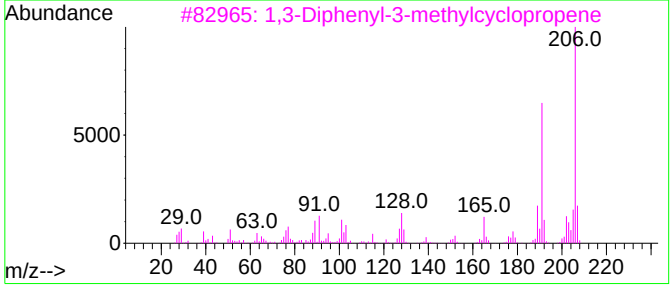


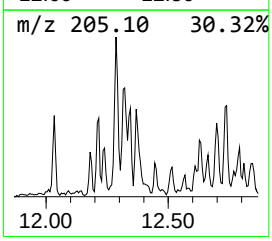












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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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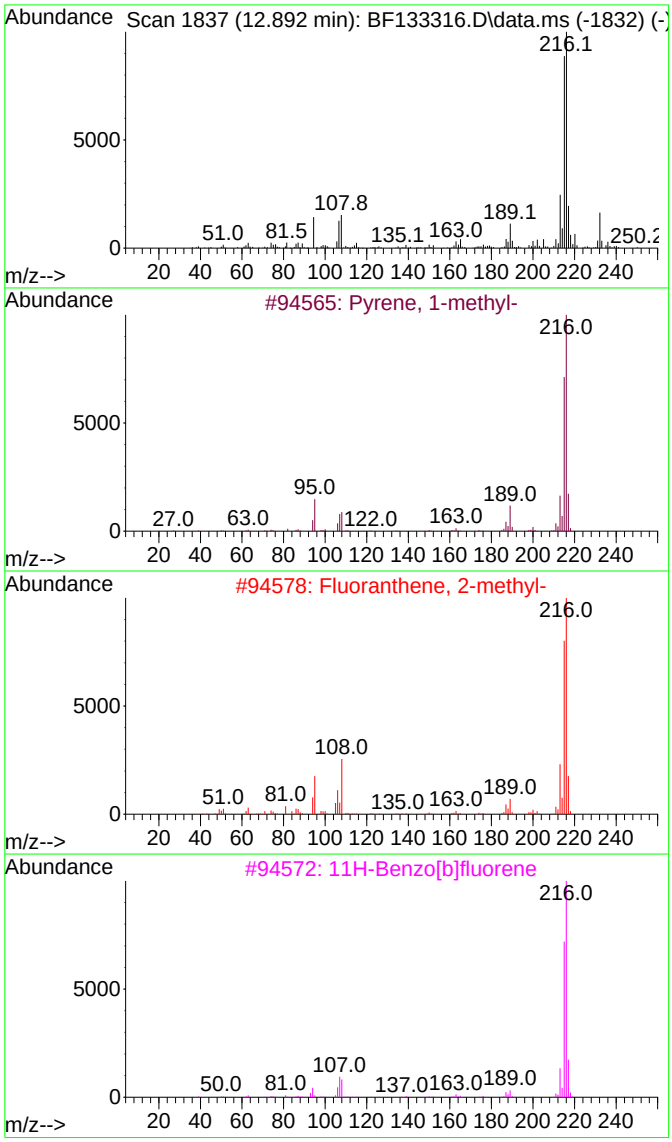
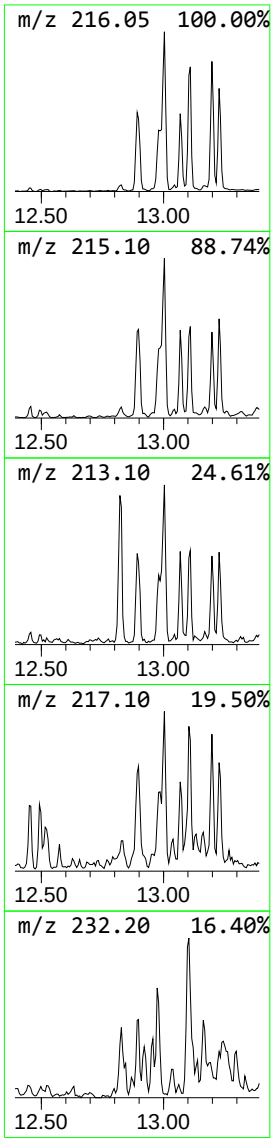
Peak Number 13 Pyrene, 1-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.892	3.54 ng	302314	Chrysene-d12	13.868

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	91
2	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	90
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	83
4	Pyrene, 2-methyl-	216	C17H12	003442-78-2	83
5	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	81





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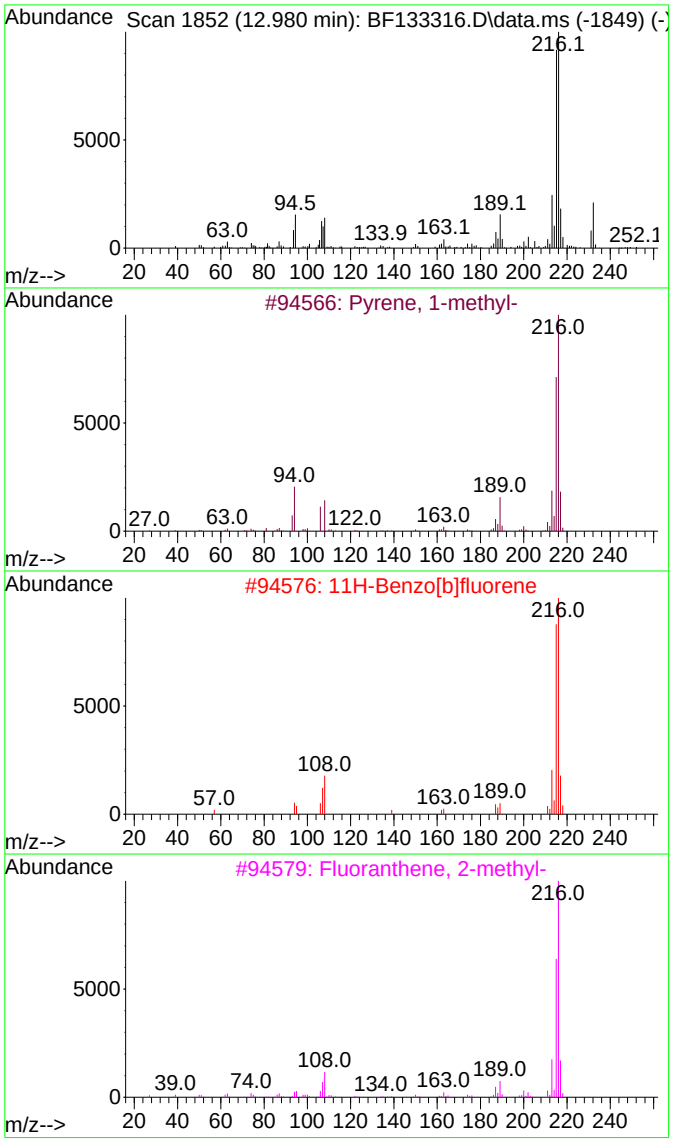
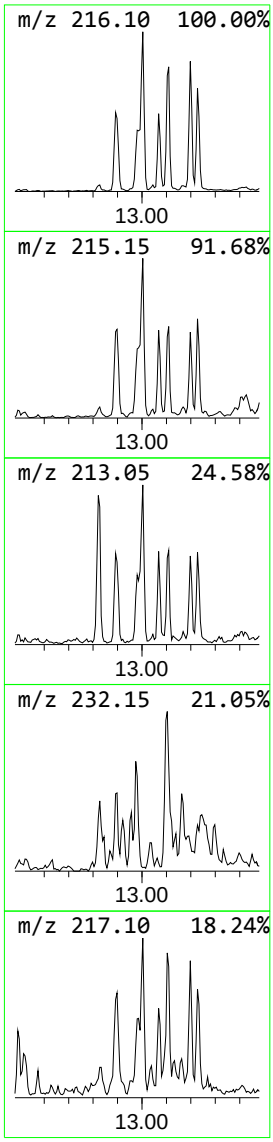
Peak Number 14 11H-Benzo[b]fluorene Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.980	2.38 ng	202843	Chrysene-d12	13.868

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	95
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	95
4	Pyrene, 2-methyl-	216	C17H12	003442-78-2	83
5	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	76





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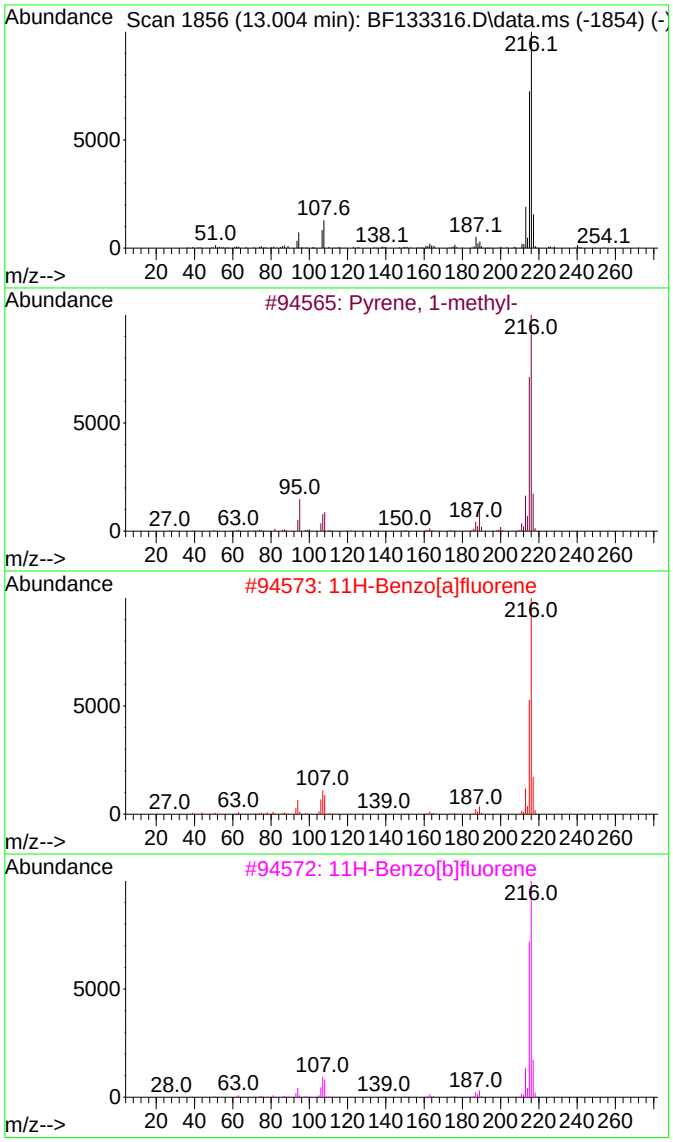
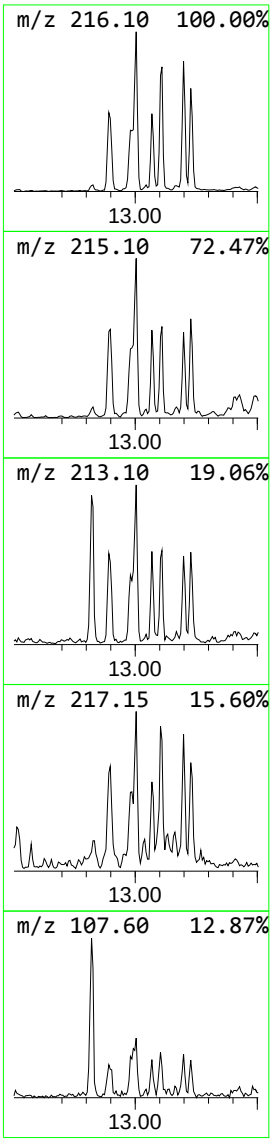
Peak Number 15 11H-Benzo[a]fluorene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.004	3.09 ng	263123	Chrysene-d12	13.868

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	83
2	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	83
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	81
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	74
5	Pyrene, 4-methyl-	216	C17H12	003353-12-6	64





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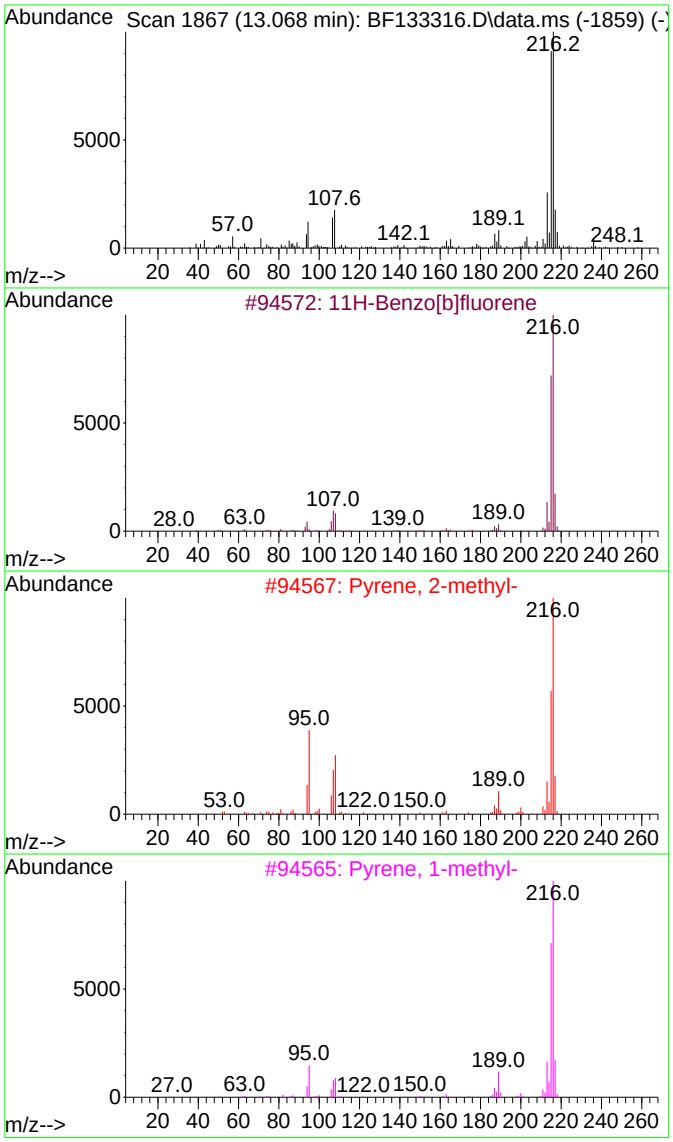
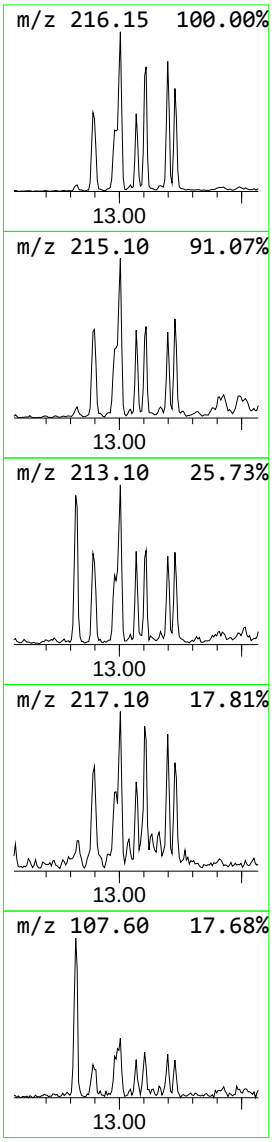
Peak Number 16 Pyrene, 2-methyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.068	3.04 ng	259071	Chrysene-d12	13.868

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	93
2	Pyrene, 2-methyl-	216	C17H12	003442-78-2	93
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	87
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	81
5	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	81





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF050923\
Data File : BF133316.D
Acq On : 09 May 2023 14:32
Operator : CG\JU
Sample : 02665-08
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TR-612-COMP-02

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042123.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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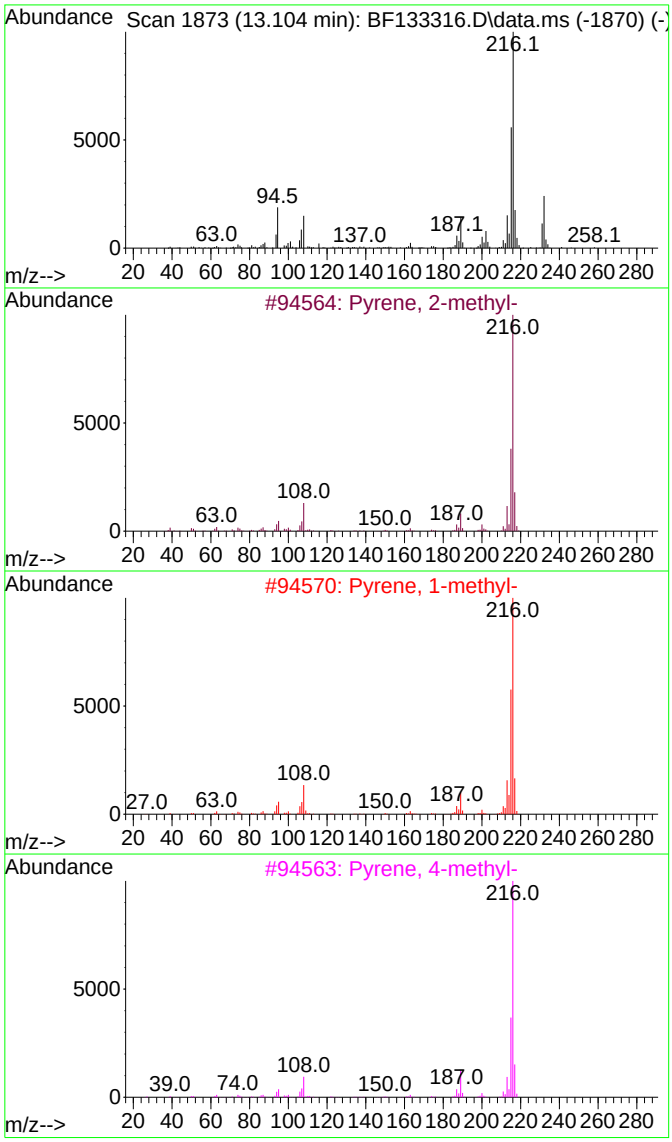
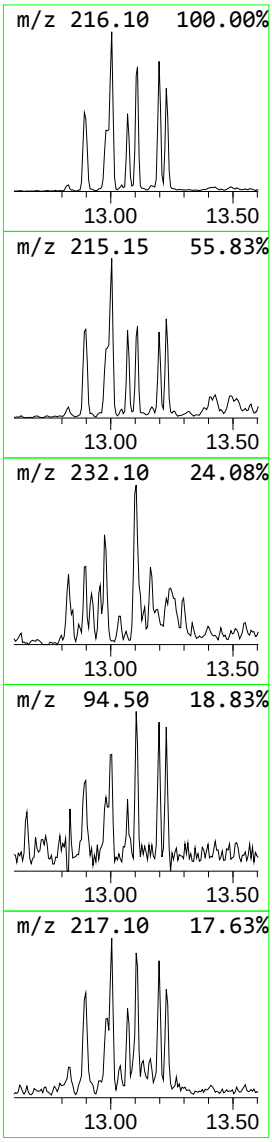
Peak Number 17 Pyrene, 4-methyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.104	3.07 ng	261541	Chrysene-d12	13.868

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 2-methyl-	216	C17H12	003442-78-2	98
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	96
3	Pyrene, 4-methyl-	216	C17H12	003353-12-6	91
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	91
5	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	64





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Data File : BF133316.D
Acq On : 09 May 2023 14:32
Operator : CG\JU
Sample : 02665-08
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TR-612-COMP-02

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042123.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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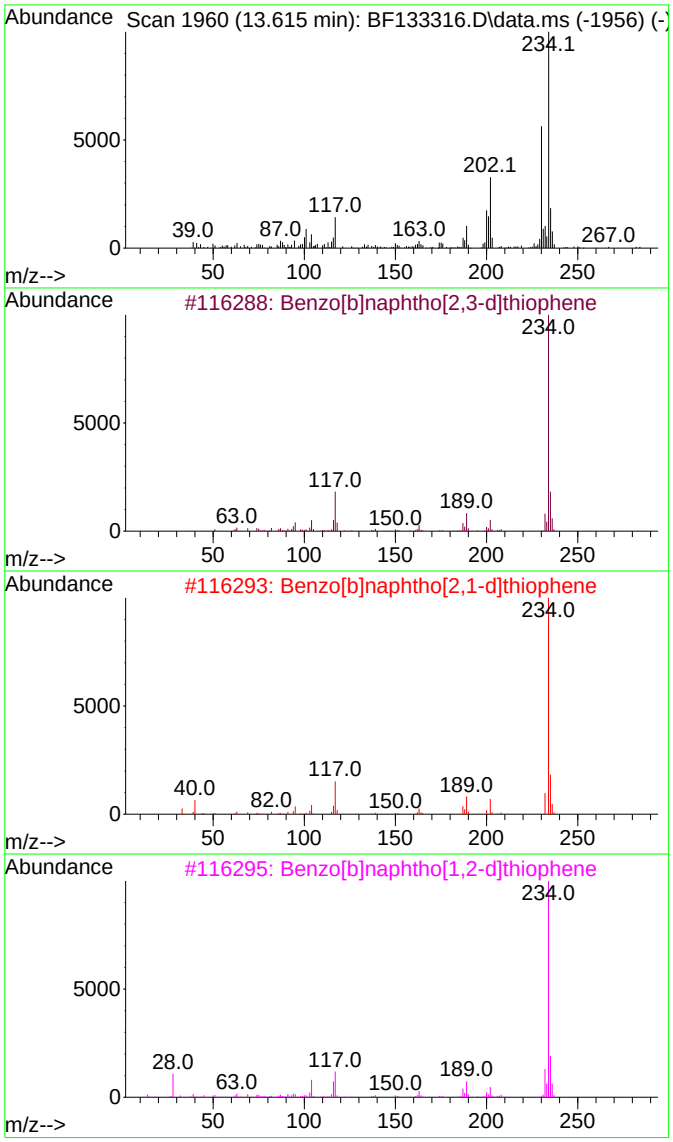
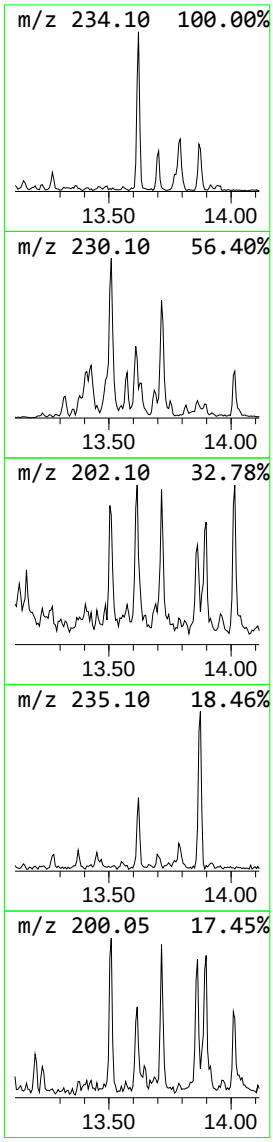
Peak Number 18 Benzo[b]naphtho[2,3-d]thiop... Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.615	2.31 ng	196923	Chrysene-d12	13.868

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	92
2	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	91
3	Benzo[b]naphtho[1,2-d]thiophene	234	C16H10S	000205-43-6	90
4	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	81
5	Quinoxalino[2,3-b]quinoxaline, 5...	234	C14H10N4	000531-46-4	38





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Data File : BF133316.D
Acq On : 09 May 2023 14:32
Operator : CG\JU
Sample : 02665-08
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TR-612-COMP-02

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042123.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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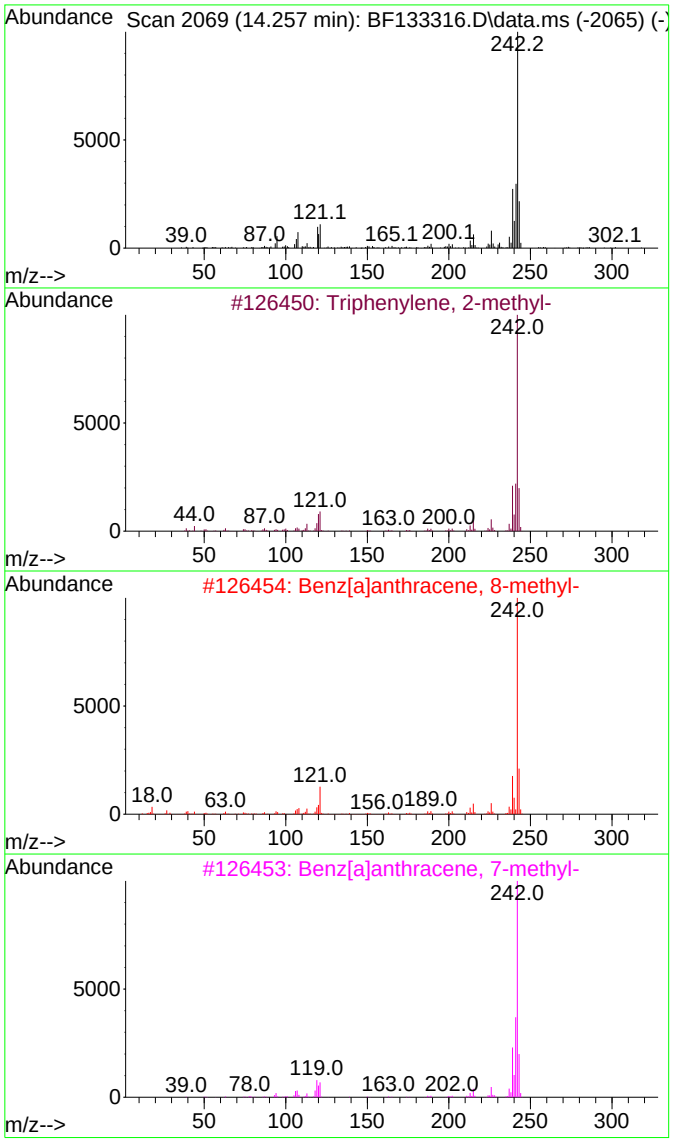
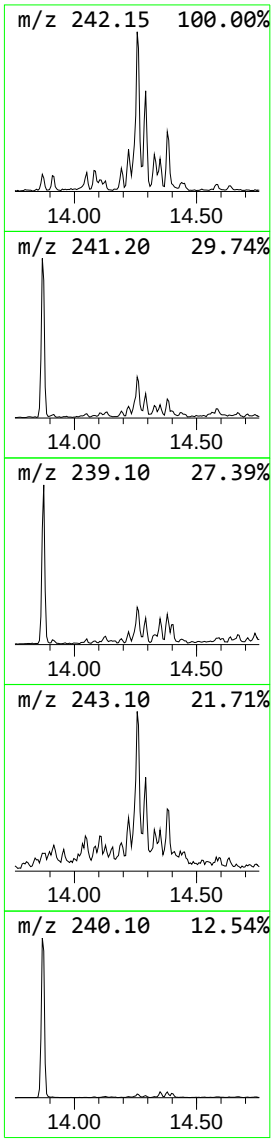
Peak Number 19 Triphenylene, 2-methyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.257	2.64 ng	225065	Chrysene-d12	13.868

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Triphenylene, 2-methyl-	242	C19H14	001705-84-6	97
2	Benz[a]anthracene, 8-methyl-	242	C19H14	002381-31-9	97
3	Benz[a]anthracene, 7-methyl-	242	C19H14	002541-69-7	96
4	Chrysene, 3-methyl-	242	C19H14	003351-31-3	96
5	1H-Benz[f]indene, 2-phenyl-	242	C19H14	1000305-22-4	96





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF050923\
Data File : BF133316.D
Acq On : 09 May 2023 14:32
Operator : CG\JU
Sample : 02665-08
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TR-612-COMP-02

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042123.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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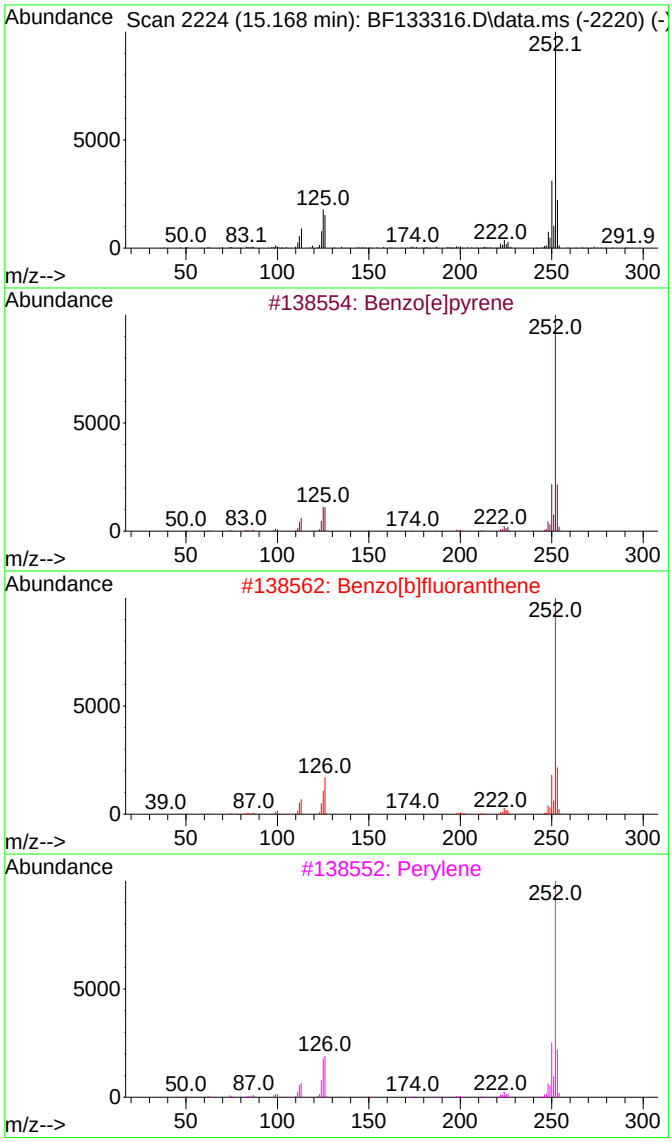
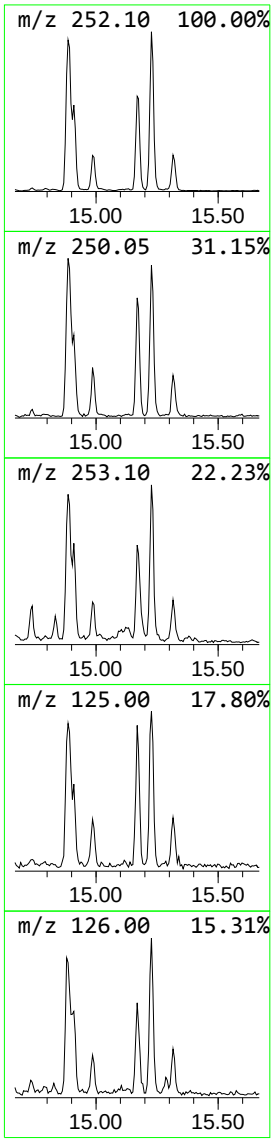
Peak Number 20 Benzo[e]pyrene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.168	5.38 ng	291642	Perylene-d12	15.292

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	93
2	Benzo[b]fluoranthene	252	C20H12	000205-99-2	93
3	Perylene	252	C20H12	000198-55-0	93
4	Benzo[k]fluoranthene	252	C20H12	000207-08-9	93
5	Benzo[a]pyrene	252	C20H12	000050-32-8	91





Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF050923\
Data File : BF133316.D
Acq On : 09 May 2023 14:32
Operator : CG\JU
Sample : 02665-08
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TR-612-COMP-02

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042123.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
2-Pentanone, 4-...	4.910	33.5	ng	1827810	1	6.722	1090820	20.0
Naphthalene, 2,...	9.416	2.5	ng	201342	3	9.757	1600560	20.0
Benzophenone	10.469	11.3	ng	907309	3	9.757	1600560	20.0
Phenanthrene, 4...	11.739	5.4	ng	439081	4	11.233	1626390	20.0
Phenanthrene, 2...	11.763	7.9	ng	640458	4	11.233	1626390	20.0
4-Bromothiophen...	11.845	6.9	ng	563435	4	11.233	1626390	20.0
Anthracene, 2-m...	11.868	4.7	ng	378240	4	11.233	1626390	20.0
5,16[1',2']:8,1...	12.033	2.6	ng	209803	4	11.233	1626390	20.0
Phenanthrene, 2...	12.286	5.1	ng	417031	4	11.233	1626390	20.0
Indeno[2,1-a]in...	12.321	2.4	ng	192748	4	11.233	1626390	20.0
Cyclopenta(def)...	12.368	2.9	ng	234987	4	11.233	1626390	20.0
Pyrene, 1-methyl-	12.892	3.5	ng	302314	5	13.868	1705770	20.0
11H-Benzo[b]flu...	12.980	2.4	ng	202843	5	13.868	1705770	20.0
11H-Benzo[a]flu...	13.004	3.1	ng	263123	5	13.868	1705770	20.0
Pyrene, 2-methyl-	13.068	3.0	ng	259071	5	13.868	1705770	20.0
Pyrene, 4-methyl-	13.104	3.1	ng	261541	5	13.868	1705770	20.0
Benzo[b]naphtho...	13.615	2.3	ng	196923	5	13.868	1705770	20.0
Triphenylene, 2...	14.257	2.6	ng	225065	5	13.868	1705770	20.0
Benzo[e]pyrene	15.168	5.4	ng	291642	6	15.292	1083270	20.0