LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF032222\
Data File : BF127469.D
Acq On : 22 Mar 2022 23:36
Operator : CG\JU
Sample : N1958-15
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : C-15-14-15

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-BF032122.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF127469.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.475	538	542	561	rVB	2322991	2141151	51.45%	4.268%
2	6.481	709	713	730	rBV	2297867	2255320	54.20%	4.496%
3	6.845	772	775	782	rBV	842293	678030	16.29%	1.352%
4	7.410	867	871	882	rBV	1482433	1501114	36.07%	2.992%
5	8.128	989	993	995	rBV	1098936	958839	23.04%	1.911%
6	8.151	995	997	1003	rVB	858609	707189	16.99%	1.410%
7	8.839	1111	1114	1120	rBV	422062	355914	8.55%	0.710%
8	8.939	1127	1131	1135	rVB	431503	338178	8.13%	0.674%
9	9.204	1171	1176	1179	rBV	2977621	2481249	59.63%	4.946%
10	9.398	1207	1209	1217	rVB	78479	81970	1.97%	0.163%
11	9.469	1217	1221	1225	rBV2	158088	219679	5.28%	0.438%
12	9.539	1229	1233	1236	rVV	279851	276453	6.64%	0.551%
13	9.569	1236	1238	1243	rVB	155188	133281	3.20%	0.266%
14	9.657	1249	1253	1260	rVB	147807	174680	4.20%	0.348%
15	9.745	1265	1268	1272	rVB	211567	179613	4.32%	0.358%
16	9.886	1285	1292	1294	rBV	1267485	1117934	26.87%	2.229%
17	9.916	1294	1297	1301	rVB	728200	586212	14.09%	1.169%
18	9.998	1307	1311	1314	rVB2	80103	100145	2.41%	0.200%
19	10.039	1314	1318	1320	rVV2	88823	86675	2.08%	0.173%
20	10.092	1322	1327	1330	rVV	584445	550071	13.22%	1.097%
21	10.128	1330	1333	1337	rVV	94883	93374	2.24%	0.186%
22	10.198	1341	1345	1348	rBV	89246	90511	2.18%	0.180%
23	10.292	1356	1361	1362	rVV	70153	89558	2.15%	0.179%
24	10.433	1381	1385	1390	rVB	1297486	1089731	26.19%	2.172%
25	10.516	1397	1399	1402	rVV2	153744	133979	3.22%	0.267%
26	10.586	1409	1411	1416	rVB	216531	220715	5.30%	0.440%
27	10.675	1420	1426	1432	rBV	1544007	1631124	39.20%	3.252%
28	10.981	1472	1478	1481	rBV2	274433	335902	8.07%	0.670%
29	11.010	1481	1483	1486	rVV	163851	136535	3.28%	0.272%
30	11.063	1489	1492	1495	rVB	145516	130884	3.15%	0.261%
31	11.110	1495	1500	1501	rBV3	98851	132004	3.17%	0.263%
32	11.186	1510	1513	1516	rVV3	59415	73865	1.78%	0.147%
33	11.222	1516	1519	1525	rVV3	137541	211141	5.07%	0.421%
34	11.275	1525	1528	1534	rVB	411453	358883	8.62%	0.715%
35	11.380	1542	1546	1547	rBV	961782	931320	22.38%	1.857%
36	11.410	1547	1551	1554	rVV	4178642	4161262	100.00%	8.296%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF032222\
Data File : BF127469.D
Acq On : 22 Mar 2022 23:36
Operator : CG\JU
Sample : N1958-15
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
C-15-14-15

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-BF032122.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	11.457	1554	1559	1562	rVV	1284000	1135359	27.28%	2.263%
38	11.492	1562	1565	1569	rVV2	103694	141247	3.39%	0.282%
39	11.539	1569	1573	1577	rVV3	54582	81630	1.96%	0.163%
40	11.610	1581	1585	1590	rBV	464819	500346	12.02%	0.997%
41	11.669	1593	1595	1597	rVV	112192	84573	2.03%	0.169%
42	11.704	1599	1601	1607	rVB2	90506	120135	2.89%	0.239%
43	11.786	1612	1615	1620	rVB	74099	90882	2.18%	0.181%
44	11.880	1627	1631	1633	rBV	635285	585057	14.06%	1.166%
45	11.904	1633	1635	1639	rVB	745328	697913	16.77%	1.391%
46	11.957	1640	1644	1646	rBV	312579	258409	6.21%	0.515%
47	11.992	1646	1650	1652	rVV2	985219	1017043	24.44%	2.027%
48	12.016	1652	1654	1659	rVB	397964	327561	7.87%	0.653%
49	12.057	1659	1661	1664	rBV2	76963	77905	1.87%	0.155%
50	12.175	1678	1681	1684	rVV	361969	333558	8.02%	0.665%
51	12.210	1685	1687	1691	rVB3	85898	76045	1.83%	0.152%
52	12.322	1701	1706	1709	rBV2	130408	129594	3.11%	0.258%
53	12.427	1721	1724	1727	rBV	283713	299513	7.20%	0.597%
54	12.469	1728	1731	1733	rVB3	105846	87834	2.11%	0.175%
55	12.516	1736	1739	1740	rBV2	82710	86245	2.07%	0.172%
56	12.598	1749	1753	1756	rBV	2970879	2844662	68.36%	5.671%
57	12.633	1756	1759	1761	rVV2	90696	110793	2.66%	0.221%
58	12.657	1761	1763	1766	rVV2	102589	104899	2.52%	0.209%
59	12.692	1766	1769	1772	rVV	90536	101960	2.45%	0.203%
60	12.745	1775	1778	1780	rVV	145342	139239	3.35%	0.278%
61	12.827	1785	1792	1797	rVV2	2343077	2805161	67.41%	5.592%
62	12.875	1797	1800	1804	rVB2	163824	169474	4.07%	0.338%
63	12.963	1809	1815	1818	rBV	1808295	1779581	42.77%	3.548%
64	12.992	1818	1820	1824	rVB	74727	73587	1.77%	0.147%
65	13.045	1824	1829	1833	rBV2	176256	316998	7.62%	0.632%
66	13.151	1844	1847	1850	rVB	494882	416033	10.00%	0.829%
67	13.216	1855	1858	1861	rBV	468410	384391	9.24%	0.766%
68	13.257	1861	1865	1868	rVV2	254909	289918	6.97%	0.578%
69	13.351	1877	1881	1883	rBV	145173	131945	3.17%	0.263%
70	13.380	1883	1886	1895	rVB2	168588	199466	4.79%	0.398%
71	13.633	1926	1929	1932	rBV2	76510	96467	2.32%	0.192%
72	13.669	1932	1935	1938	rVB2	87758	90819	2.18%	0.181%
73	13.774	1948	1953	1955	rBV	190093	183504	4.41%	0.366%
74	13.798	1955	1957	1959	rVV	226861	173711	4.17%	0.346%
75	13.827	1959	1962	1963	rVV	124399	129024	3.10%	0.257%
76	13.845	1963	1965	1968	rVV3	121405	128423	3.09%	0.256%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF032222\
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Acq On : 22 Mar 2022 23:36
Operator : CG\JU
Sample : N1958-15
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
C-15-14-15

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-BF032122.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

77	13.874	1968	1970	1977	rVB2	84190	109432	2.63%	0.218%
78	13.945	1977	1982	1987	rBV	72140	137803	3.31%	0.275%
79	14.016	1987	1994	1998	rBV2	1259350	1905101	45.78%	3.798%
80	14.051	1998	2000	2007	rVB	1020205	871410	20.94%	1.737%
81	14.127	2011	2013	2016	rVB	134212	115274	2.77%	0.230%
82	14.180	2020	2022	2027	rVB3	71119	76994	1.85%	0.153%
83	14.257	2033	2035	2038	rVB	106805	82606	1.99%	0.165%
84	14.374	2052	2055	2057	rBV3	84027	82549	1.98%	0.165%
85	14.410	2057	2061	2064	rVV	239460	242883	5.84%	0.484%
86	14.539	2080	2083	2084	rVV	91451	82273	1.98%	0.164%
87	14.557	2084	2086	2090	rVB	130070	111525	2.68%	0.222%
88	14.739	2113	2117	2119	rBV3	55140	78278	1.88%	0.156%
89	14.916	2143	2147	2150	rBV	81620	98318	2.36%	0.196%
90	15.074	2169	2174	2177	rBV	693334	1072880	25.78%	2.139%
91	15.180	2189	2192	2196	rBV	152613	162596	3.91%	0.324%
92	15.380	2222	2226	2233	rVB	426983	539835	12.97%	1.076%
93	15.445	2233	2237	2242	rVV	665068	804919	19.34%	1.605%
94	15.504	2243	2247	2251	rVV	467940	620993	14.92%	1.238%
95	15.539	2251	2253	2260	rVB2	165667	220469	5.30%	0.440%
96	17.004	2495	2502	2511	rVB2	232093	504567	12.13%	1.006%
97	17.186	2528	2533	2539	rBV	55850	119284	2.87%	0.238%
98	17.245	2539	2543	2550	rVB2	39467	86169	2.07%	0.172%
99	17.457	2574	2579	2596	rVB	163781	356534	8.57%	0.711%
100	17.715	2618	2623	2636	rVB2	54166	134650	3.24%	0.268%

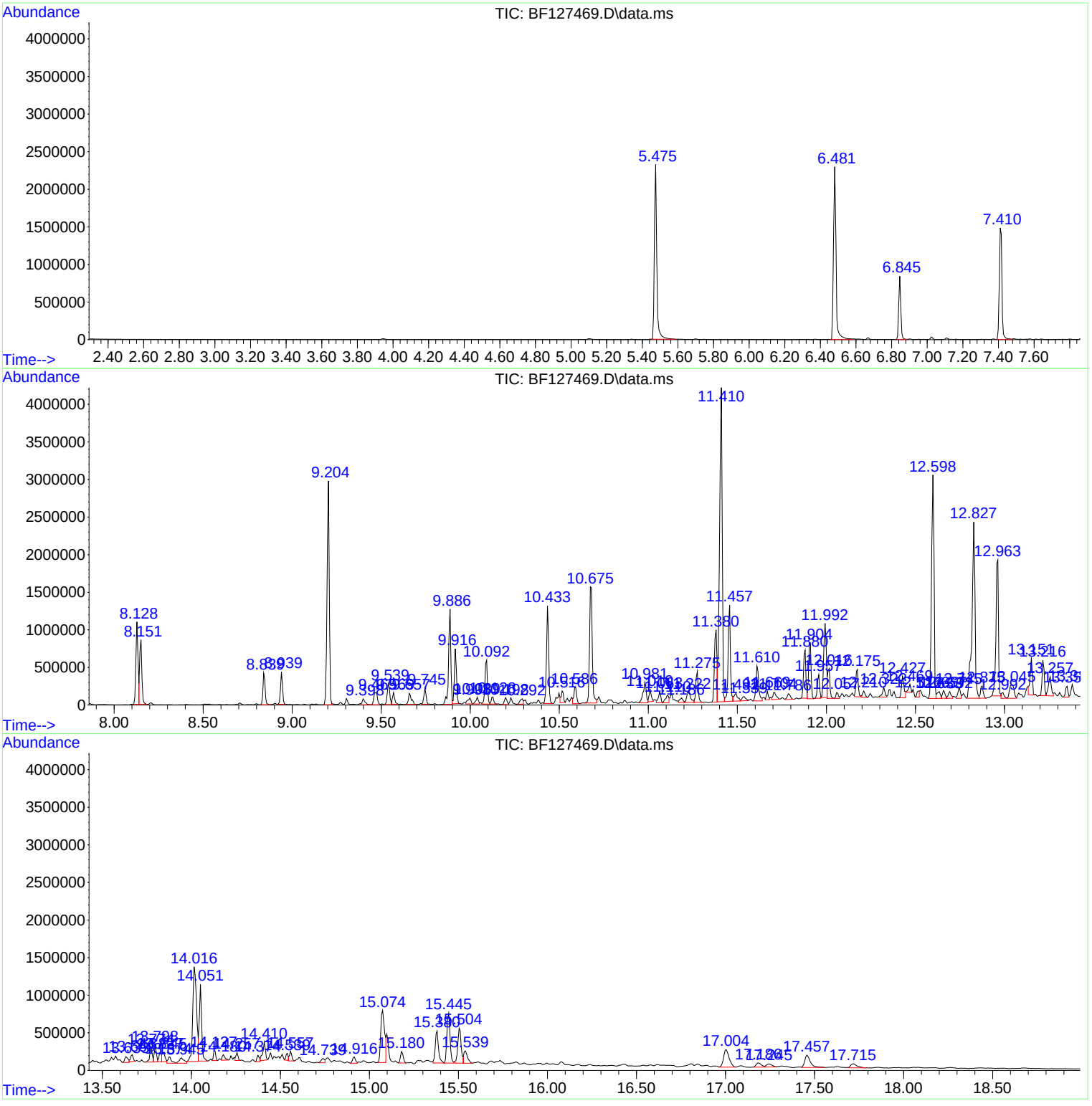
Sum of corrected areas: 50162731

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF032222\
Data File : BF127469.D
Acq On : 22 Mar 2022 23:36
Operator : CG\JU
Sample : N1958-15
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
C-15-14-15

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF032122.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\BF032222\
Data File : BF127469.D
Acq On : 22 Mar 2022 23:36
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Sample : N1958-15
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
C-15-14-15

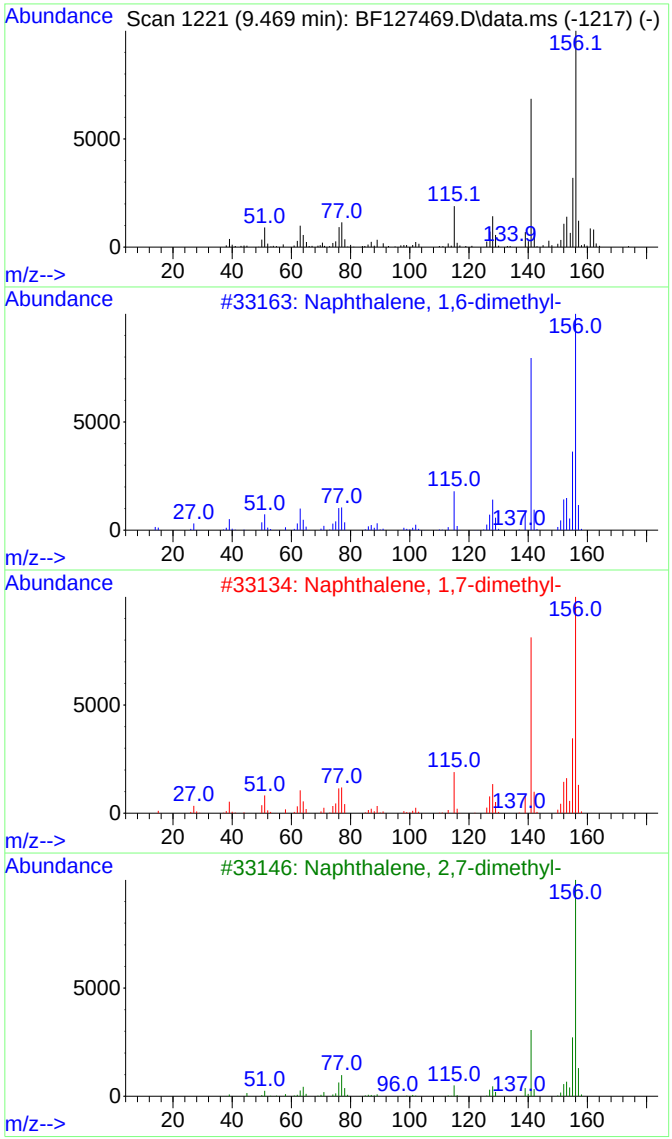
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF032122.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

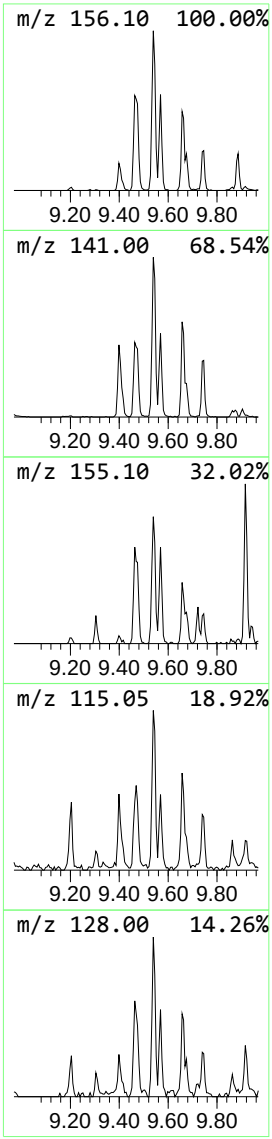
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 Naphthalene, 1,6-dimethyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.469	3.93 ng	219679	Acenaphthene-d10	9.886

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	98
2	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	98
3	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	97
4	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	97
5	Naphthalene, 1,8-dimethyl-	156	C12H12	000569-41-5	97





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF032222\
Data File : BF127469.D
Acq On : 22 Mar 2022 23:36
Operator : CG\JU
Sample : N1958-15
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
C-15-14-15

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF032122.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

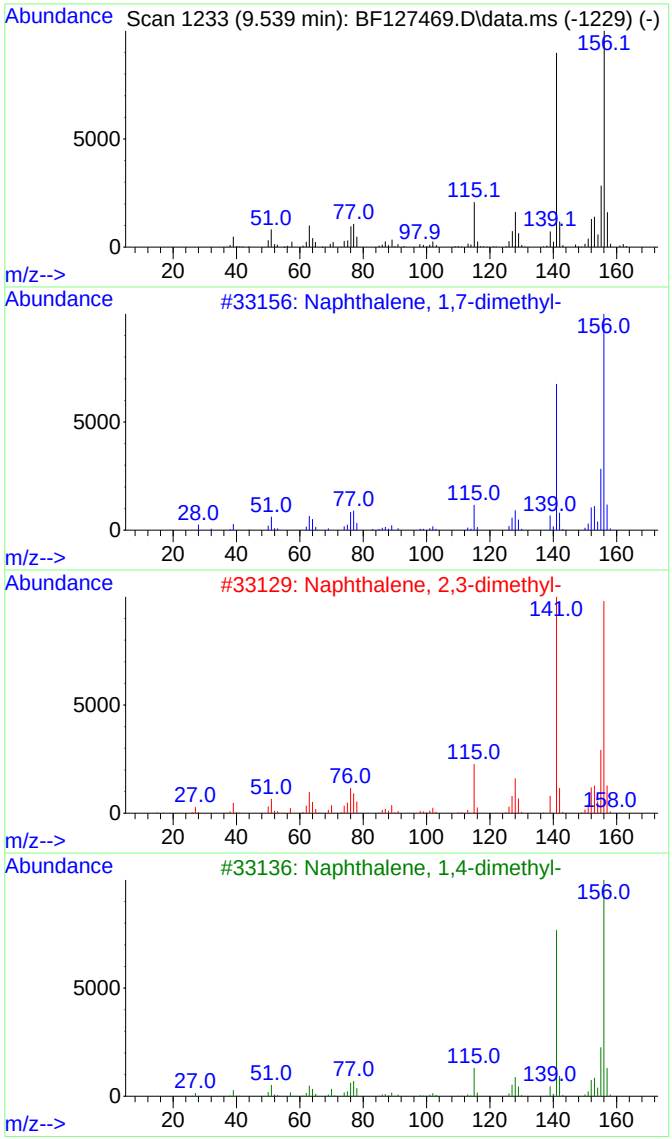
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

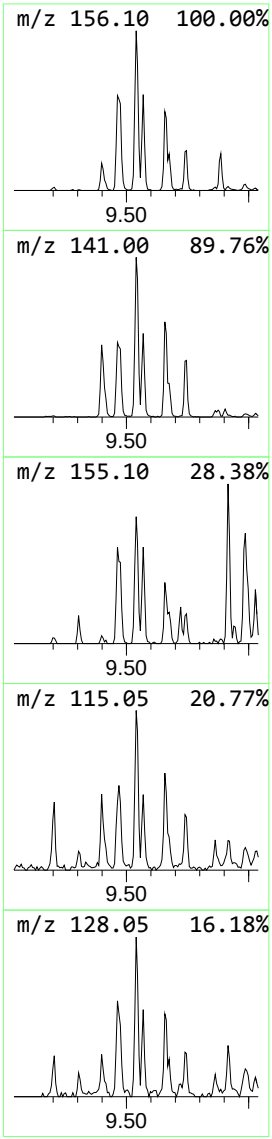
****

Peak Number 2 Naphthalene, 1,7-dimethyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.539	4.95 ng	276453	Acenaphthene-d10	9.886

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	97
2	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
3	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	97
4	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	96
5	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	96





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF032222\
Data File : BF127469.D
Acq On : 22 Mar 2022 23:36
Operator : CG\JU
Sample : N1958-15
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
C-15-14-15

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF032122.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

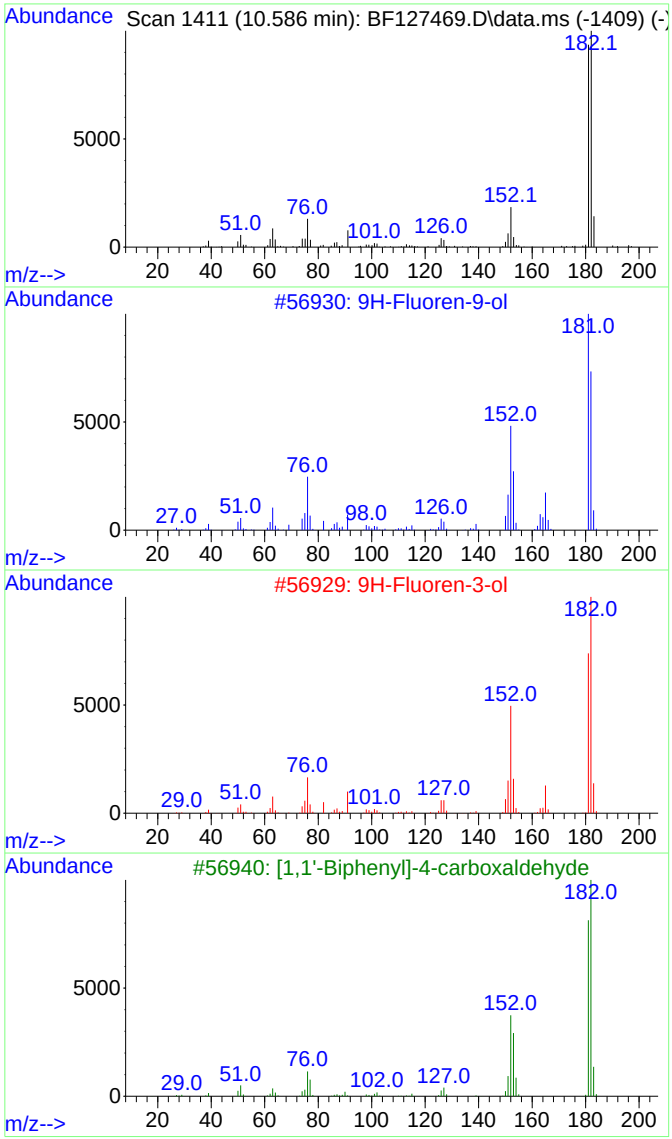
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

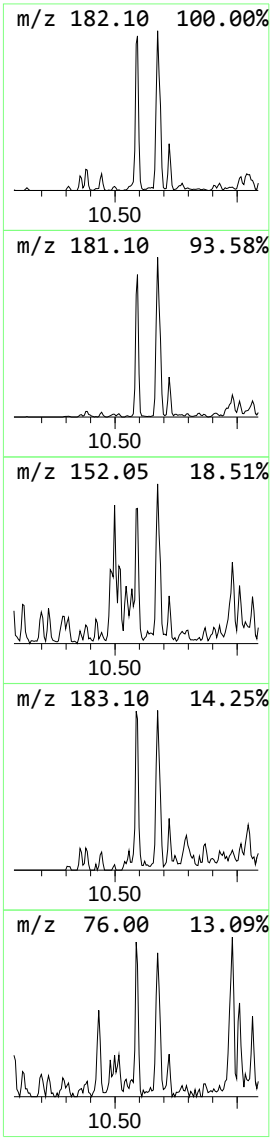
****

Peak Number 3 9H-Fluoren-9-ol Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.586	3.95 ng	220715	Acenaphthene-d10	9.886

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	87
2	9H-Fluoren-3-ol	182	C13H10O	006344-67-8	86
3	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	83
4	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	81
5	Pyrido[2,3-b]indole, 6-methyl-	182	C12H10N2	108349-67-3	72





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF032222\
Data File : BF127469.D
Acq On : 22 Mar 2022 23:36
Operator : CG\JU
Sample : N1958-15
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
C-15-14-15

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF032122.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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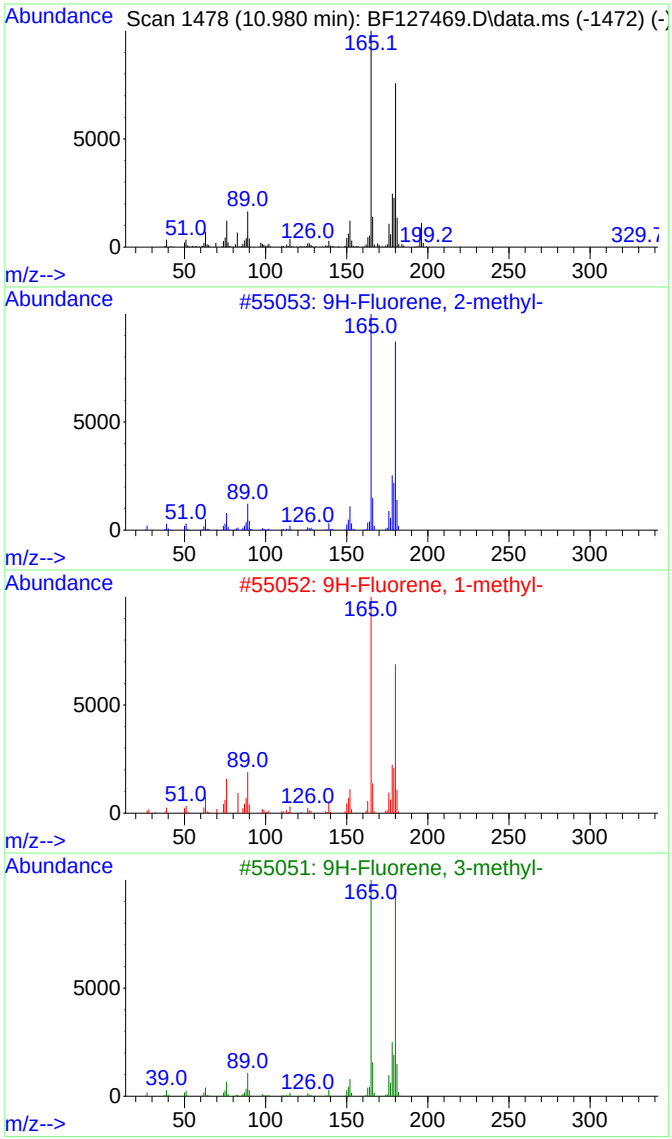
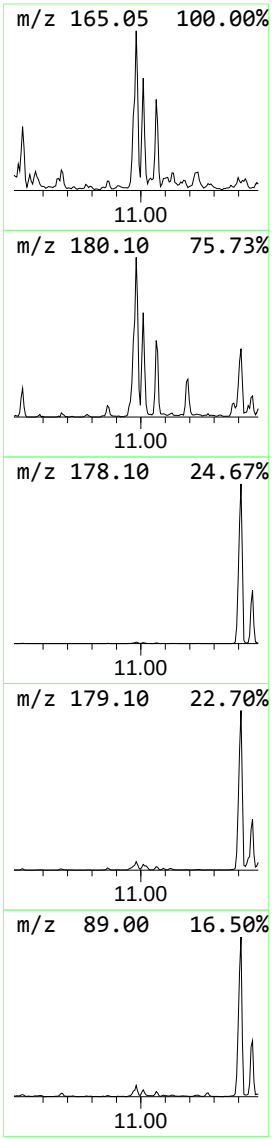
Peak Number 4 9H-Fluorene, 2-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.980	7.21 ng	335902	Phenanthrene-d10	11.381

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	98
2	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	95
3	9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	95
4	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	93
5	9H-Fluorene, 4-methyl-	180	C14H12	001556-99-6	91





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF032222\
Data File : BF127469.D
Acq On : 22 Mar 2022 23:36
Operator : CG\JU
Sample : N1958-15
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
C-15-14-15

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF032122.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

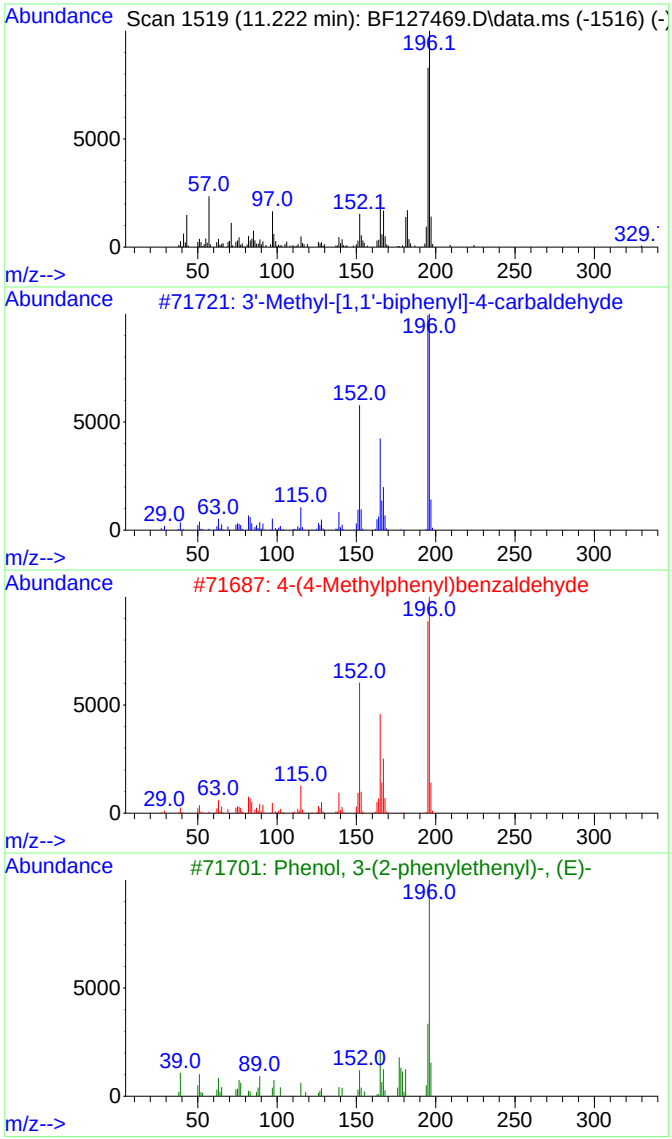
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

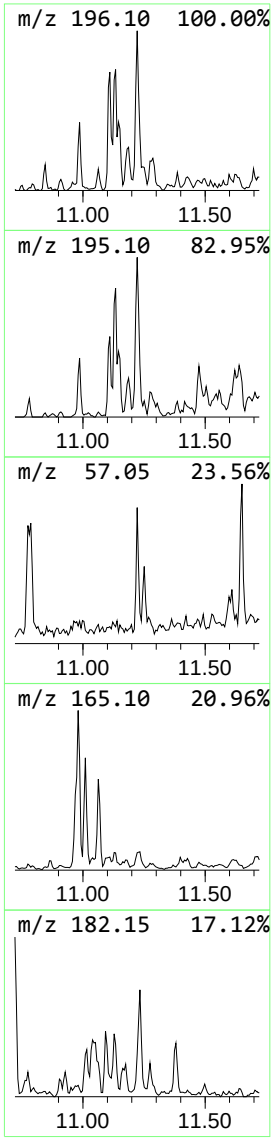
****

Peak Number 5 3'-Methyl-[1,1'-biphenyl]-4... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.222	4.53 ng	211141	Phenanthrene-d10	11.381

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3'-Methyl-[1,1'-biphenyl]-4-carb...	196	C14H12O	400744-83-4	93
2	4-(4-Methylphenyl)benzaldehyde	196	C14H12O	036393-42-7	90
3	Phenol, 3-(2-phenylethenyl)-, (E)-	196	C14H12O	017861-18-6	64
4	Phenol, 4-(2-phenylethenyl)-	196	C14H12O	003839-46-1	62
5	Dibenz[c,e]oxepin, 5,7-dihydro-	196	C14H12O	001136-22-7	60





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Acq On : 22 Mar 2022 23:36
Operator : CG\JU
Sample : N1958-15
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
C-15-14-15

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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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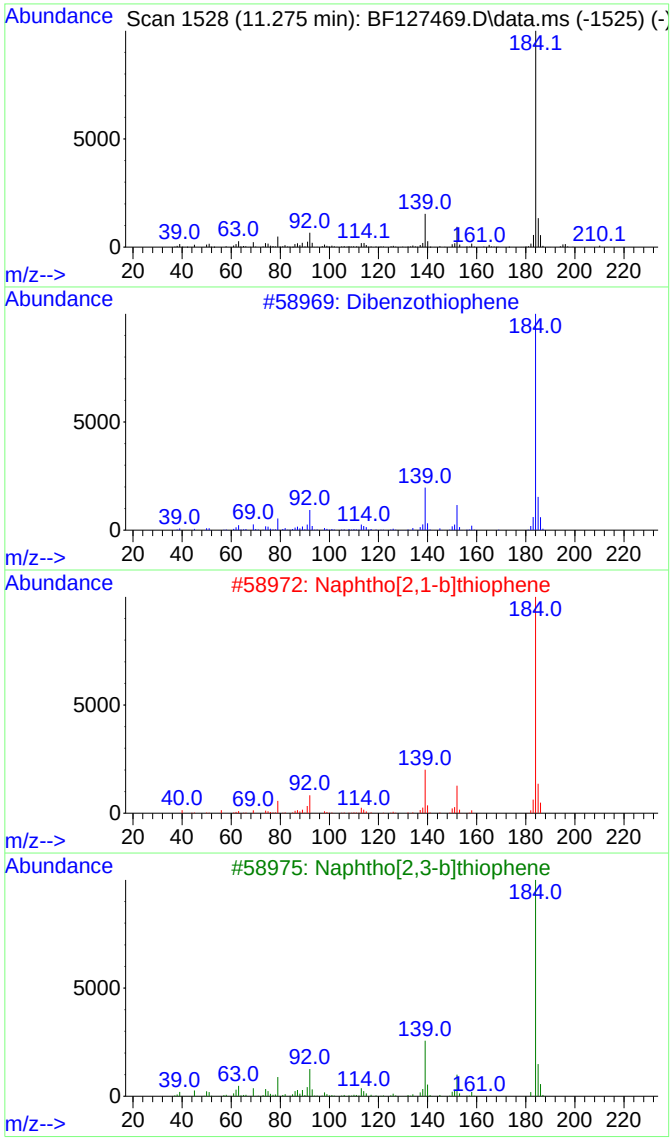
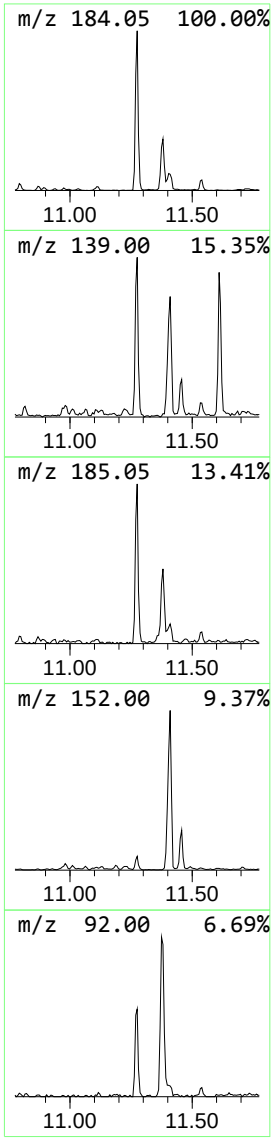
Peak Number 6 Dibenzothiophene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.275	7.71 ng	358883	Phenanthrene-d10	11.381

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene	184	C12H8S	000132-65-0	97
2	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	95
3	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	94
4	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	94
5	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	91





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Acq On : 22 Mar 2022 23:36
Operator : CG\JU
Sample : N1958-15
Misc :
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ClientSampleId :
C-15-14-15

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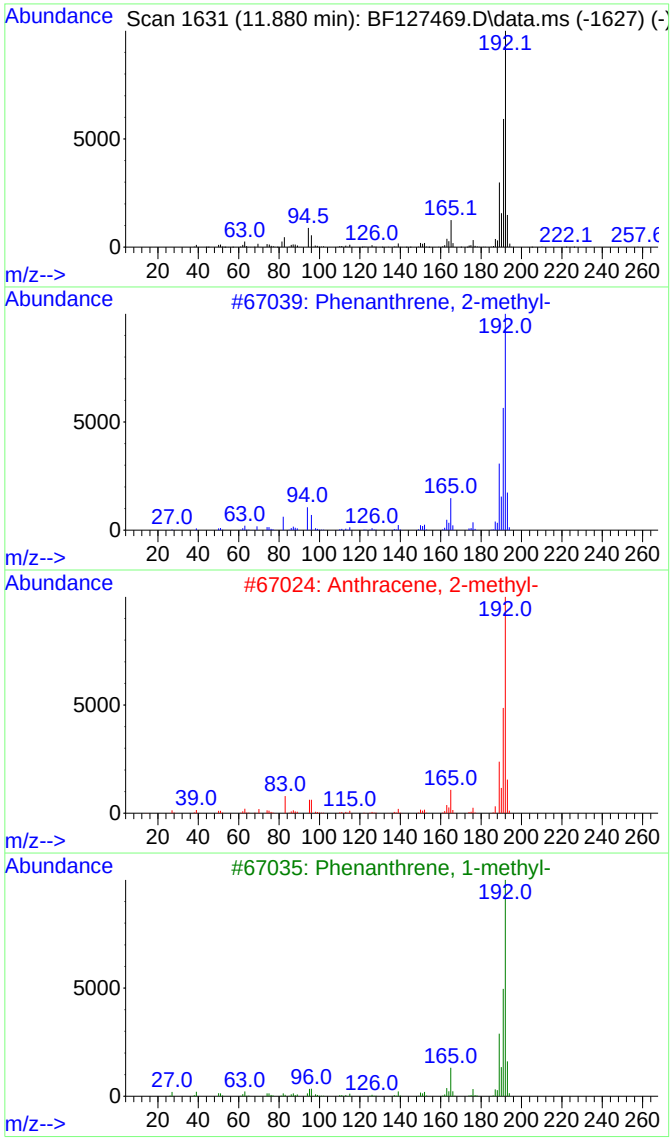
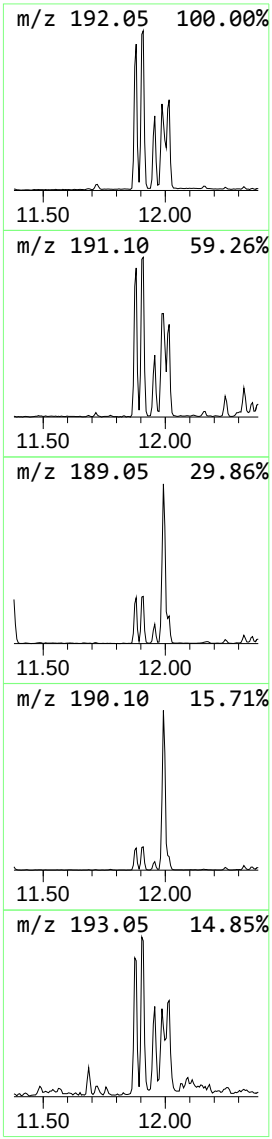
Peak Number 7 Phenanthrene, 2-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.880	12.56 ng	585057	Phenanthrene-d10	11.381

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	98
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	95
5	Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	94





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Acq On : 22 Mar 2022 23:36
Operator : CG\JU
Sample : N1958-15
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
C-15-14-15

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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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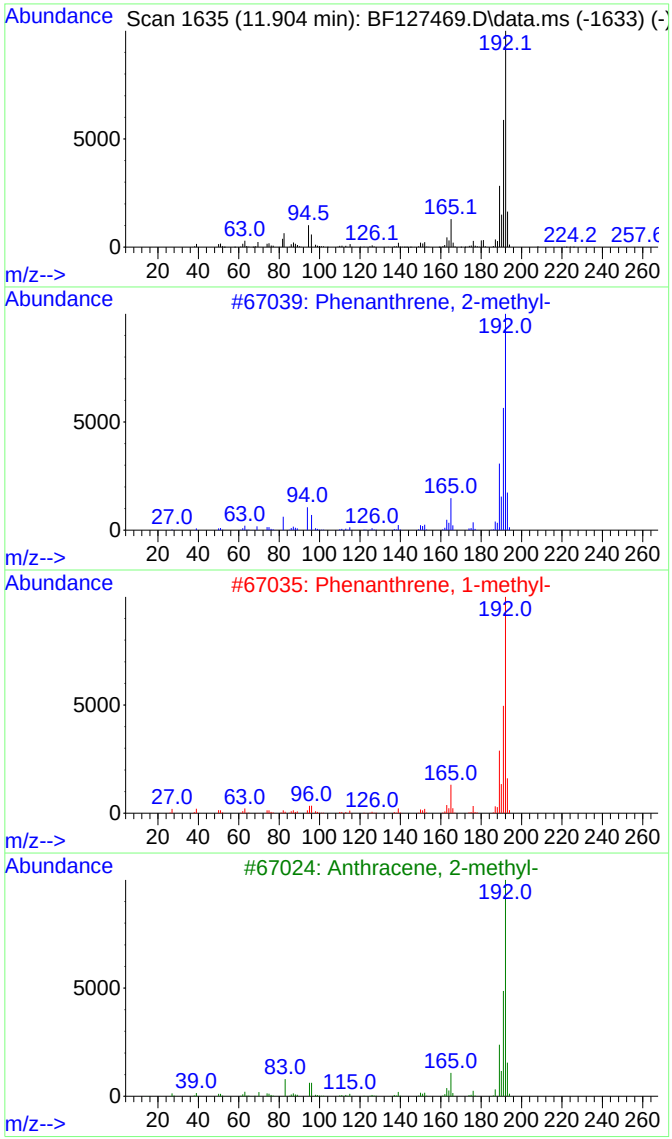
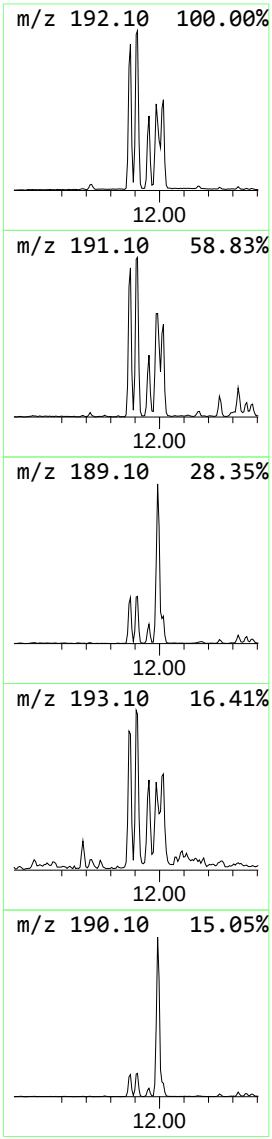
Peak Number 8 Phenanthrene, 1-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.904	14.99 ng	697913	Phenanthrene-d10	11.381

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	98
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
4	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	95
5	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	95





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Acq On : 22 Mar 2022 23:36
Operator : CG\JU
Sample : N1958-15
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
C-15-14-15

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF032122.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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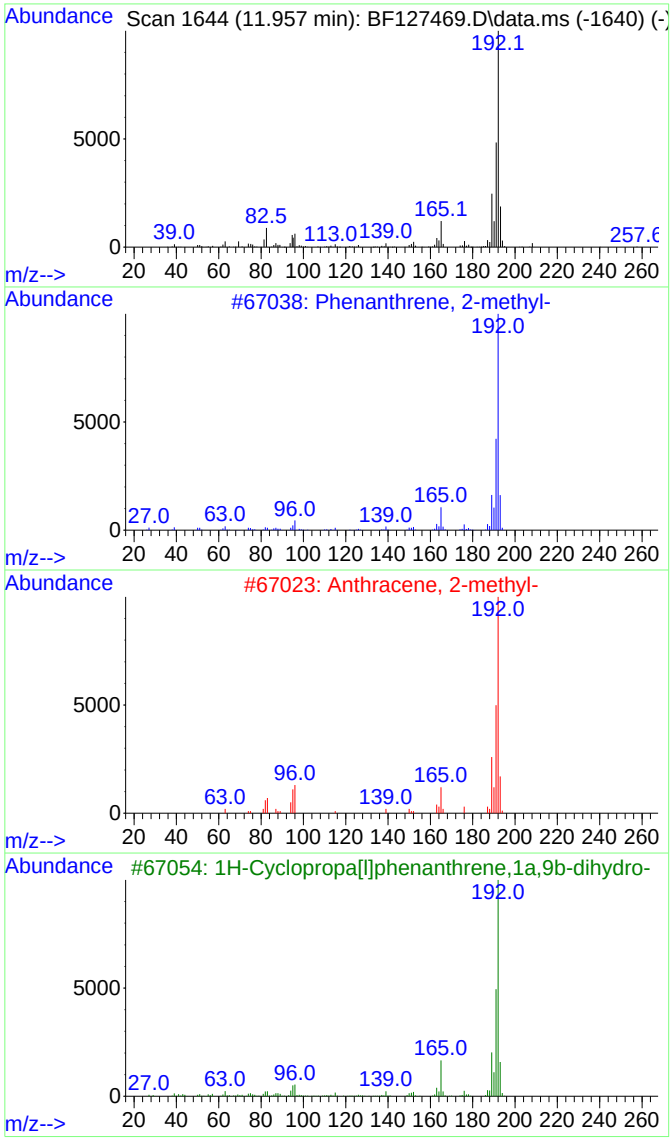
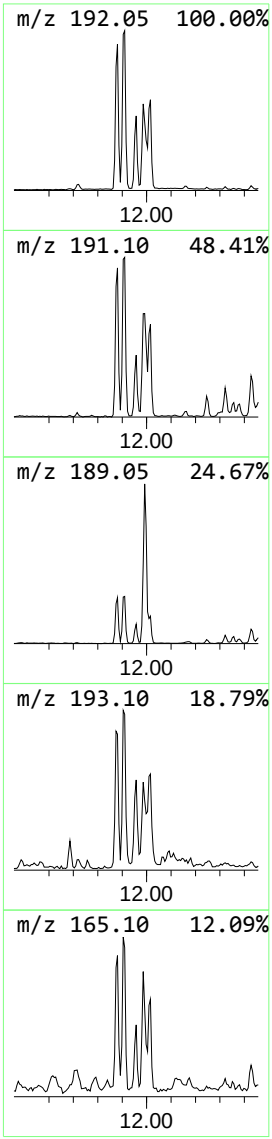
Peak Number 9 Anthracene, 2-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.957	5.55 ng	258409	Phenanthrene-d10	11.381

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	94
3	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	94
4	Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	93
5	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	93





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Data File : BF127469.D
Acq On : 22 Mar 2022 23:36
Operator : CG\JU
Sample : N1958-15
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
C-15-14-15

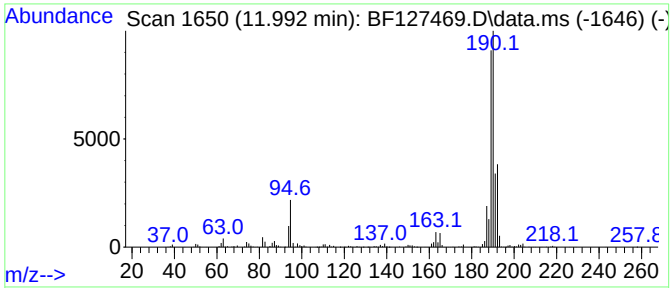
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF032122.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

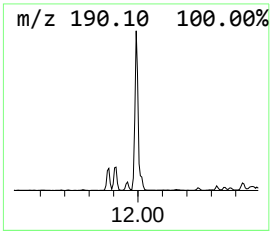
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

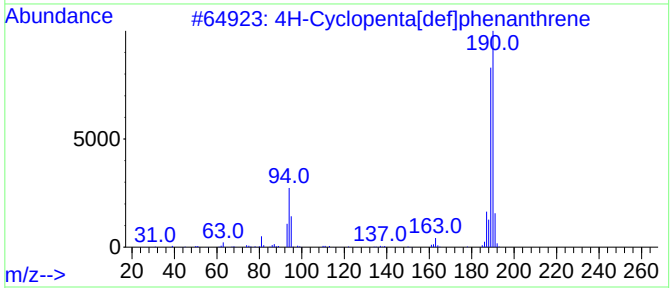
****
Peak Number 10 4H-Cyclopenta[def]phenanthrene Concentration Rank 1

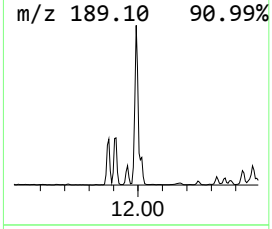
R.T.	EstConc	Area	Relative to ISTD	R.T.
11.992	21.84 ng	1017040	Phenanthrene-d10	11.381

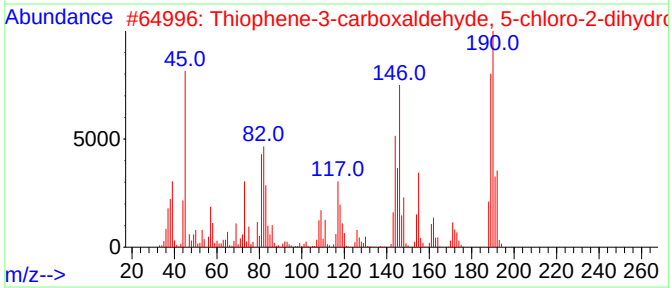
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	93
2	Thiophene-3-carboxaldehyde, 5-ch...	190	C5H4BClO3S	036155-87-0	50
3	Methyl diselenide	190	C2H6Se2	007101-31-7	43
4	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	42
5	2,4(1H,3H)-Pyrimidinedione, 5-br...	190	C4H3BrN2O2	000051-20-7	32

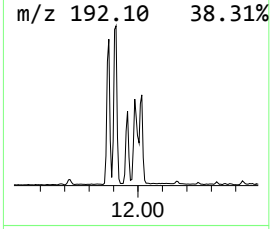


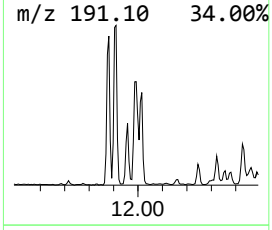


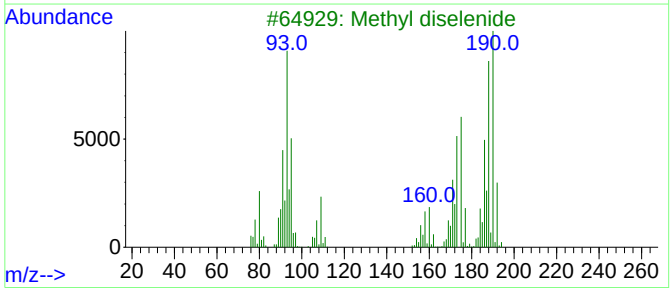


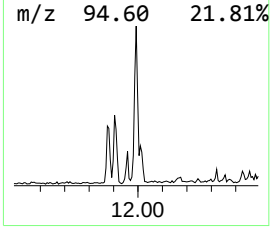












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Data File : BF127469.D
Acq On : 22 Mar 2022 23:36
Operator : CG\JU
Sample : N1958-15
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
C-15-14-15

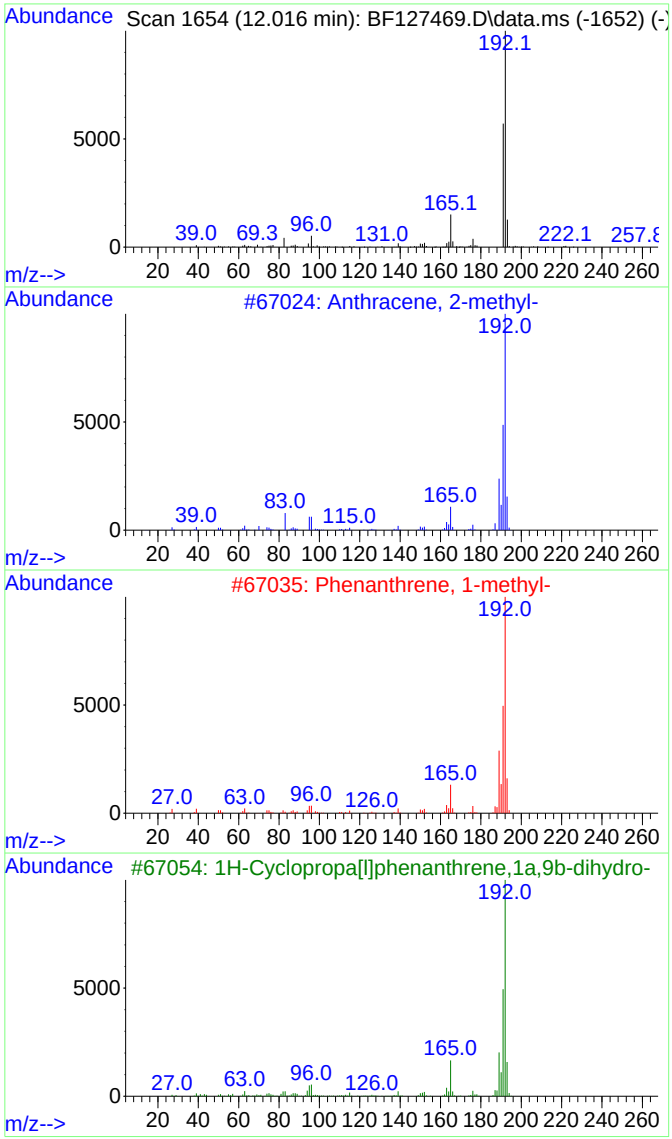
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF032122.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

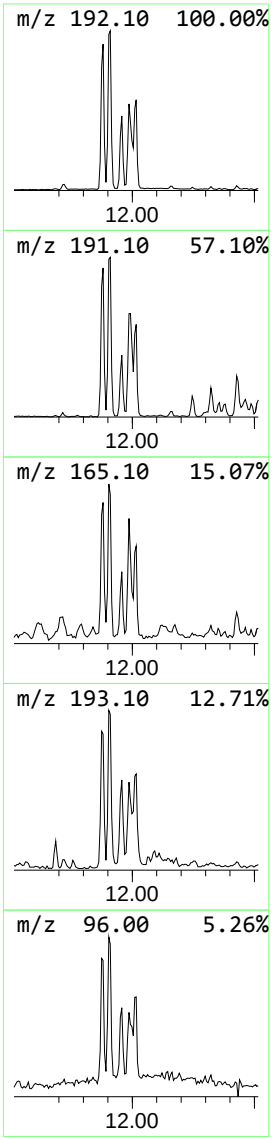
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 11 1H-Cyclopropa[l]phenanthren... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.016	7.03 ng	327561	Phenanthrene-d10	11.381

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	90
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	90
3	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	90
4	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	90
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	87





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Acq On : 22 Mar 2022 23:36
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Sample : N1958-15
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
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ClientSampleId :
C-15-14-15

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF032122.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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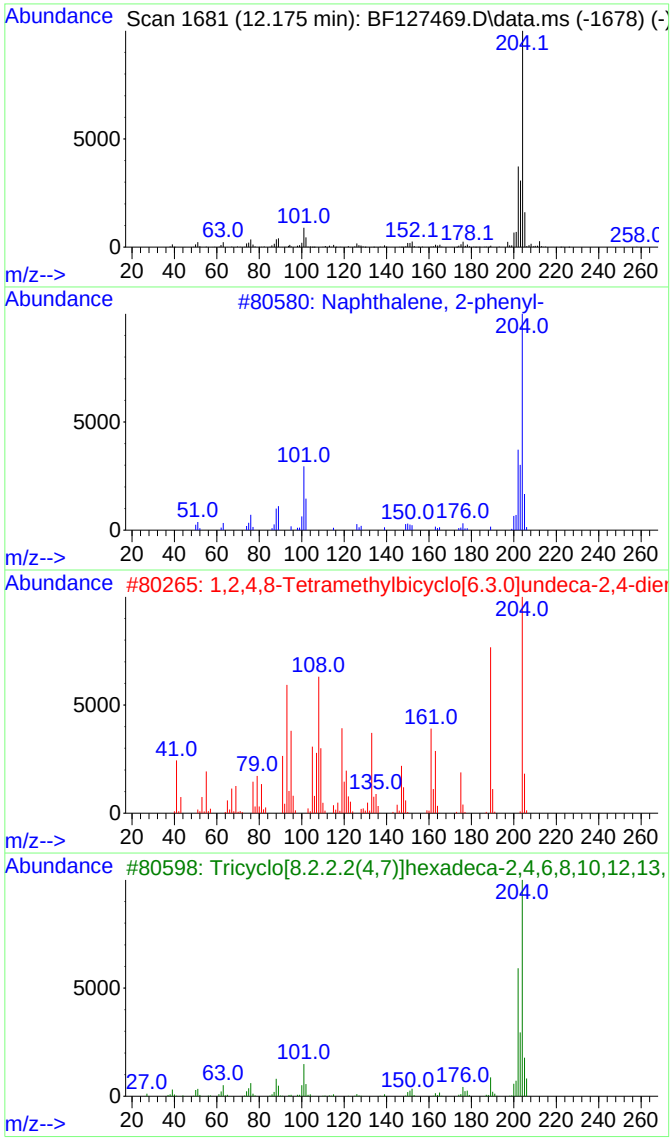
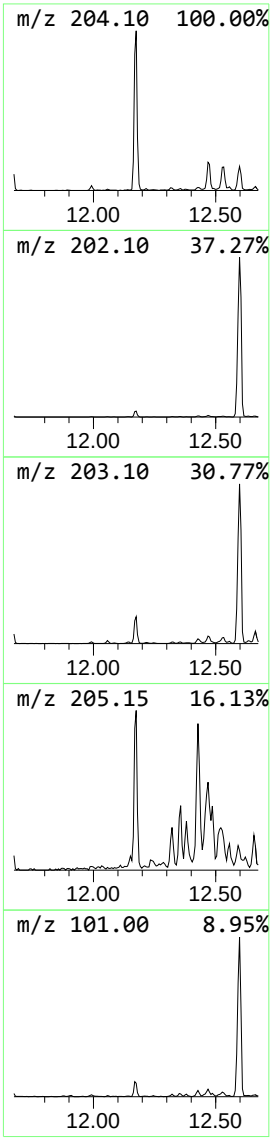
Peak Number 12 Naphthalene, 2-phenyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.175	7.16 ng	333558	Phenanthrene-d10	11.381

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	90
2	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	86
3	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	72
4	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	64
5	3,4-Biphenyldicarbonitrile	204	C14H8N2	004128-63-6	58





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Sample : N1958-15
Misc :
ALS Vial : 23 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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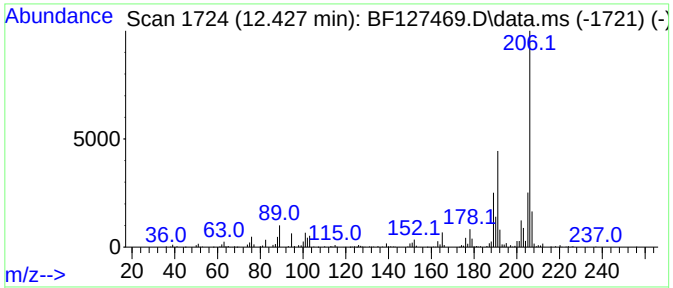
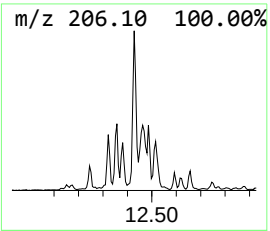
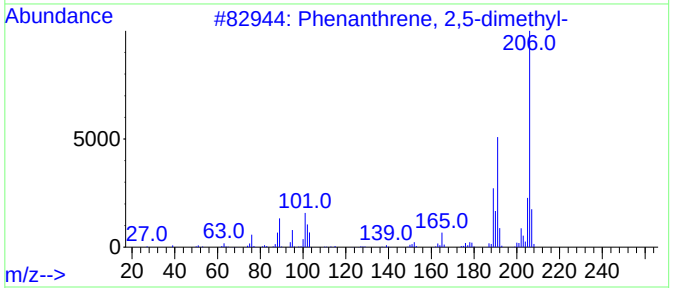
Peak Number 13 Phenanthrene, 2,5-dimethyl- Concentration Rank 9

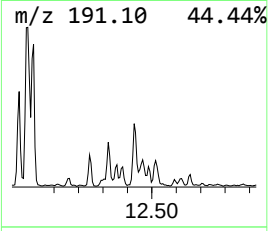
R.T.	EstConc	Area	Relative to ISTD	R.T.
12.428	6.43 ng	299513	Phenanthrene-d10	11.381

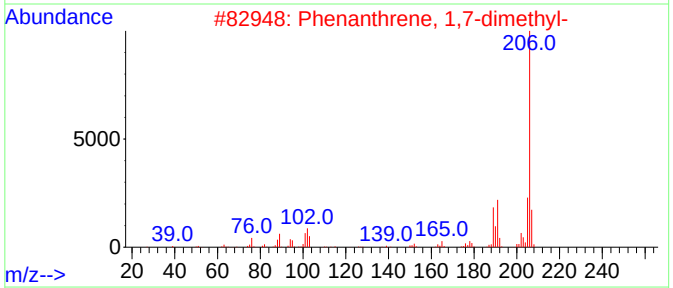
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	96
2	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	93
3	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	93
4	9,10-Dimethylanthracene	206	C16H14	000781-43-1	93
5	di-p-Tolylacetylene	206	C16H14	002789-88-0	91

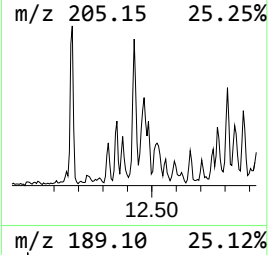


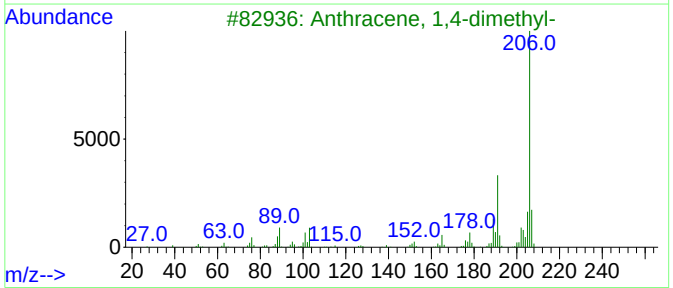


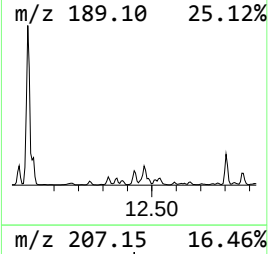


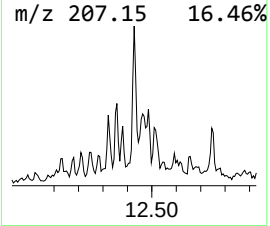












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Data File : BF127469.D
Acq On : 22 Mar 2022 23:36
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Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF032122.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

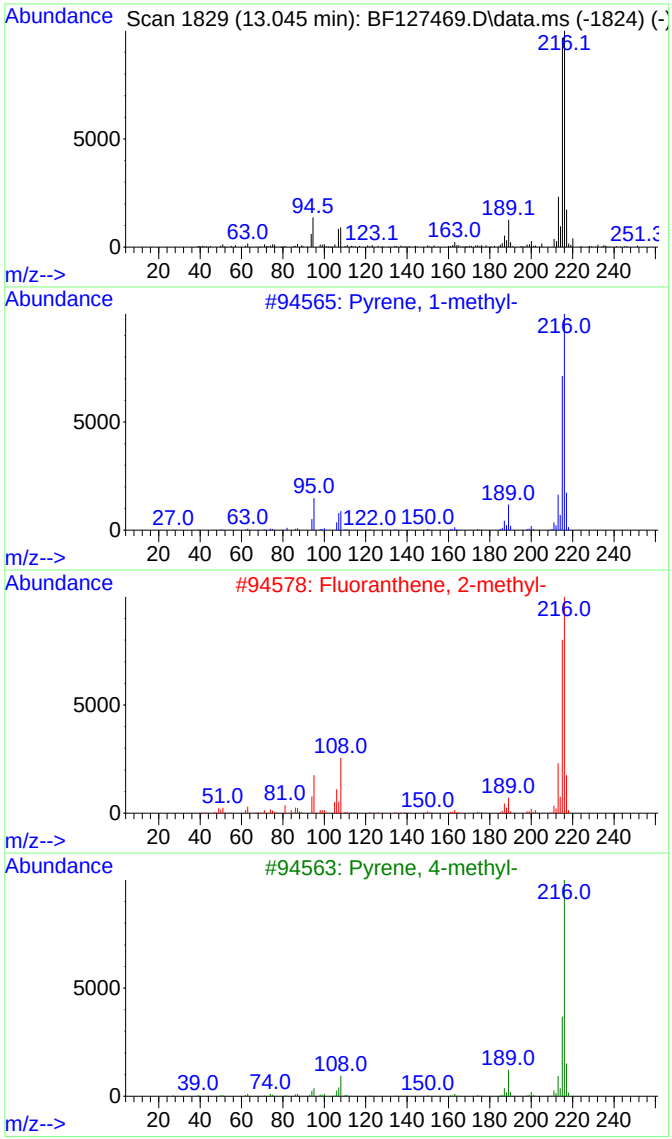
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

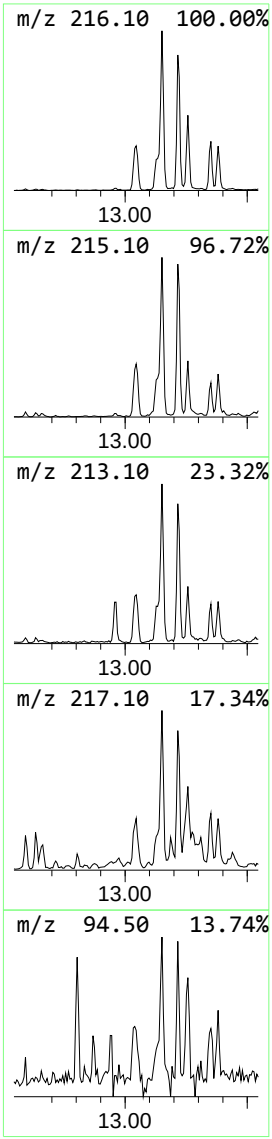
****

Peak Number 14 Pyrene, 1-methyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.045	3.33 ng	316998	Chrysene-d12	14.027

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	97
2	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	89
3	Pyrene, 4-methyl-	216	C17H12	003353-12-6	87
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	81
5	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	76





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Acq On : 22 Mar 2022 23:36
Operator : CG\JU
Sample : N1958-15
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
C-15-14-15

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF032122.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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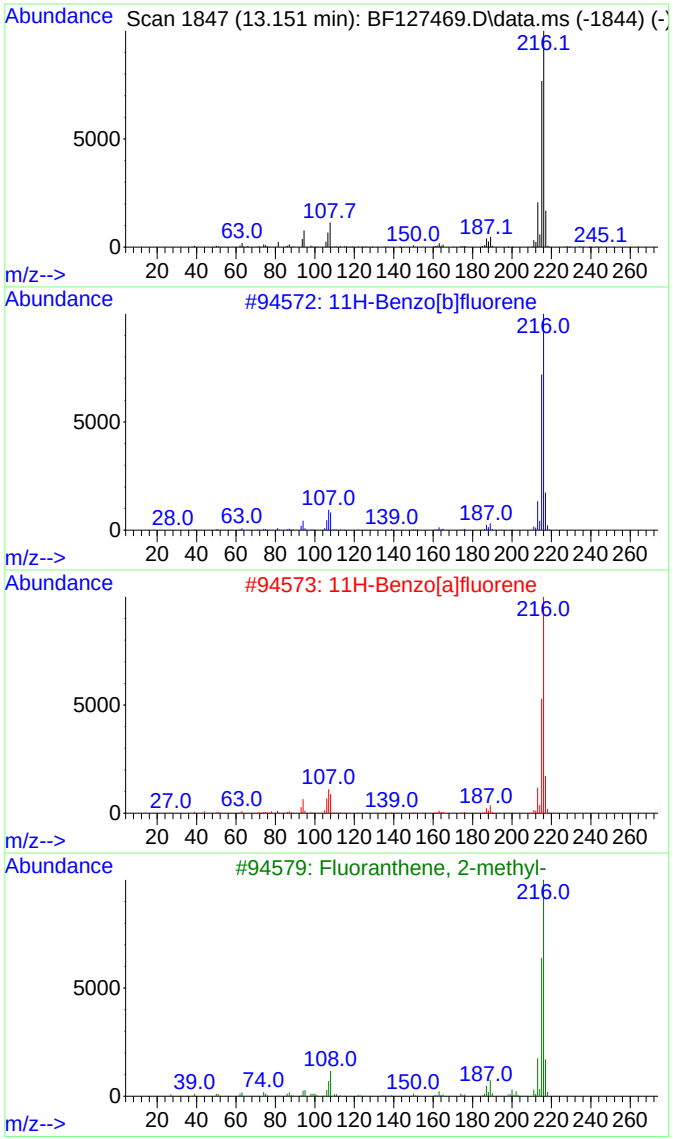
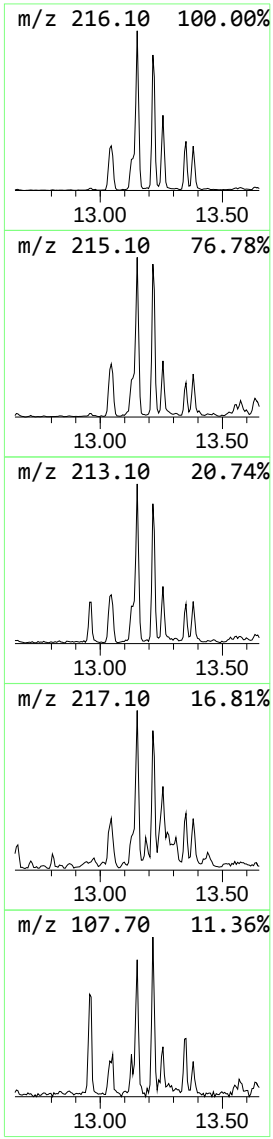
Peak Number 15 11H-Benzo[b]fluorene Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.151	4.37 ng	416033	Chrysene-d12	14.027

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	96
2	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	91
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	90
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	90
5	Pyrene, 2-methyl-	216	C17H12	003442-78-2	86





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Sample : N1958-15
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
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ClientSampleId :
C-15-14-15

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF032122.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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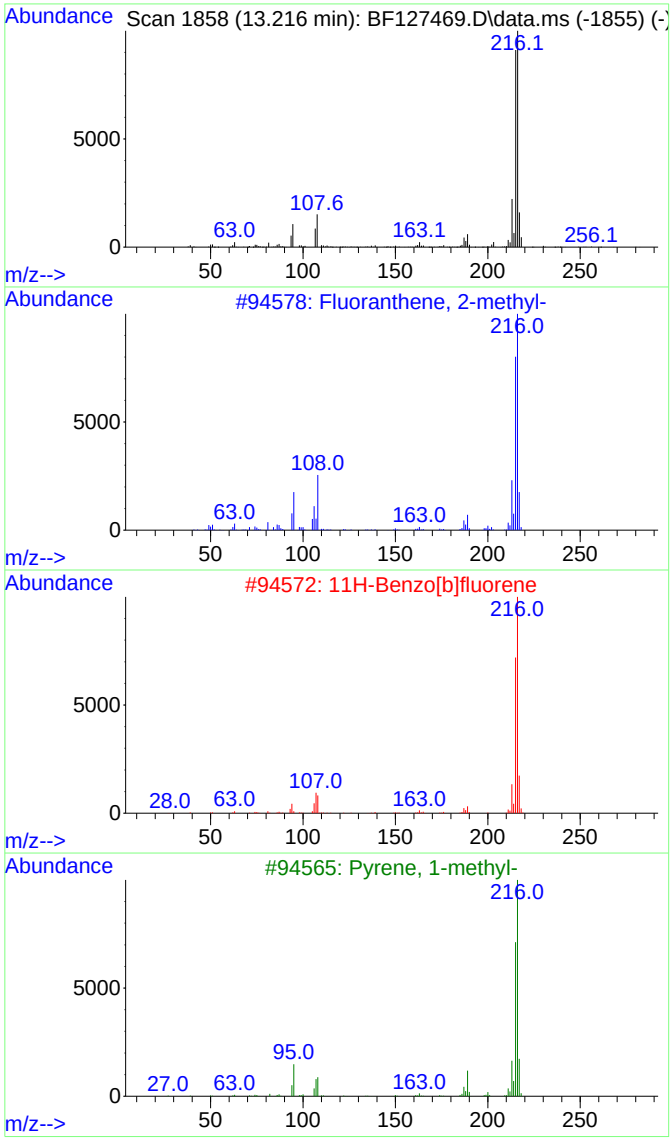
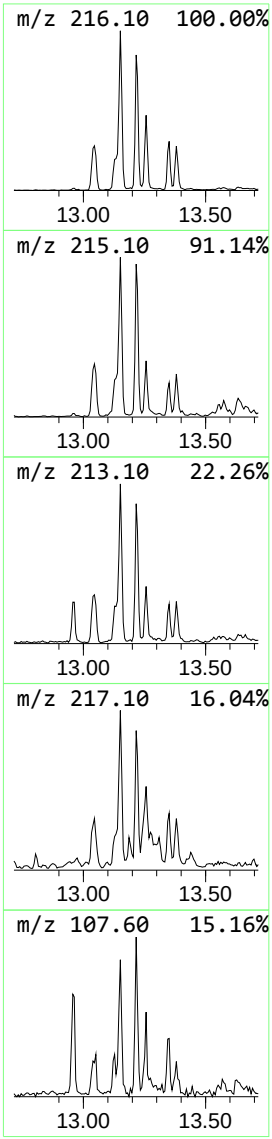
Peak Number 16 Fluoranthene, 2-methyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.216	4.04 ng	384391	Chrysene-d12	14.027

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	95
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	94
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	94
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	93
5	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	87





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Acq On : 22 Mar 2022 23:36
Operator : CG\JU
Sample : N1958-15
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
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ClientSampleId :
C-15-14-15

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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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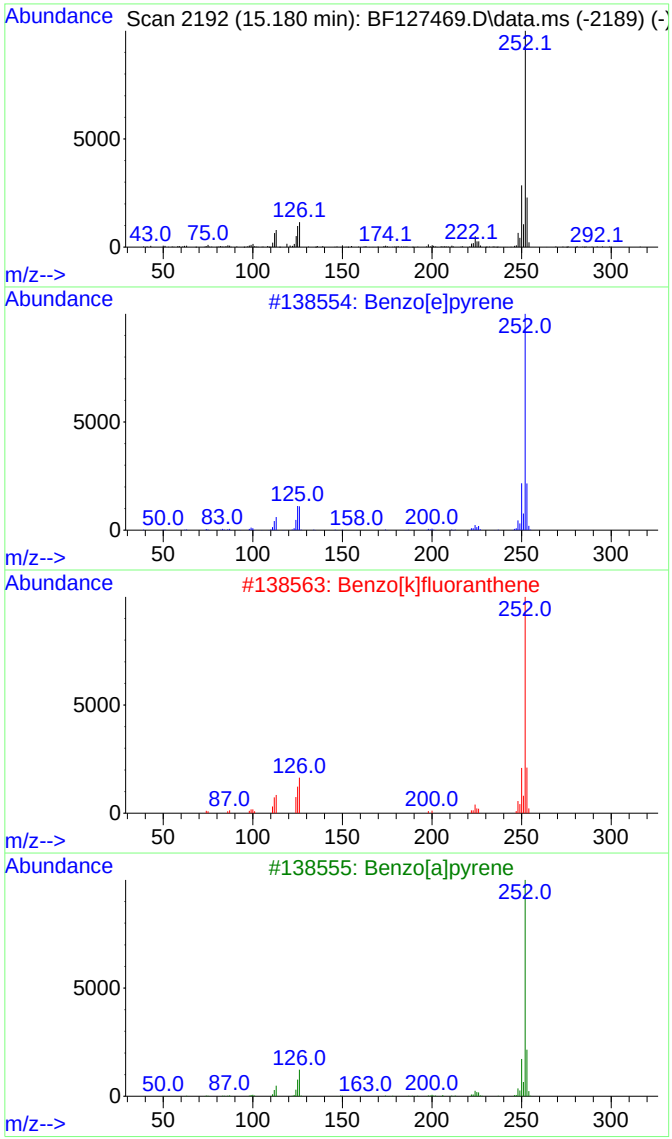
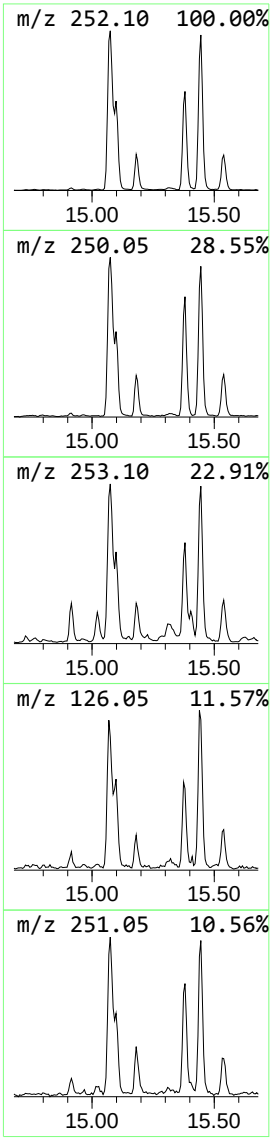
Peak Number 17 Benzo[e]pyrene Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.180	5.24 ng	162596	Perylene-d12	15.504

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	98
2	Benzo[k]fluoranthene	252	C20H12	000207-08-9	97
3	Benzo[a]pyrene	252	C20H12	000050-32-8	96
4	Benzo[b]fluoranthene	252	C20H12	000205-99-2	95
5	Perylene	252	C20H12	000198-55-0	87





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Acq On : 22 Mar 2022 23:36
Operator : CG\JU
Sample : N1958-15
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
C-15-14-15

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF032122.M
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TIC Library : C:\Database\NIST20.L
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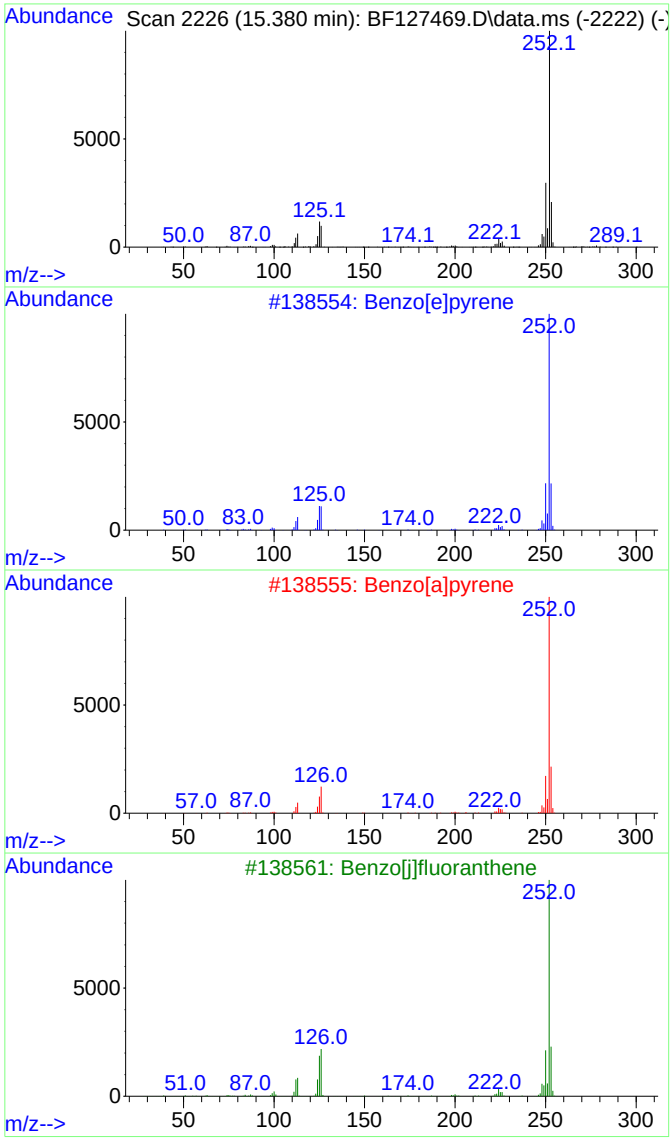
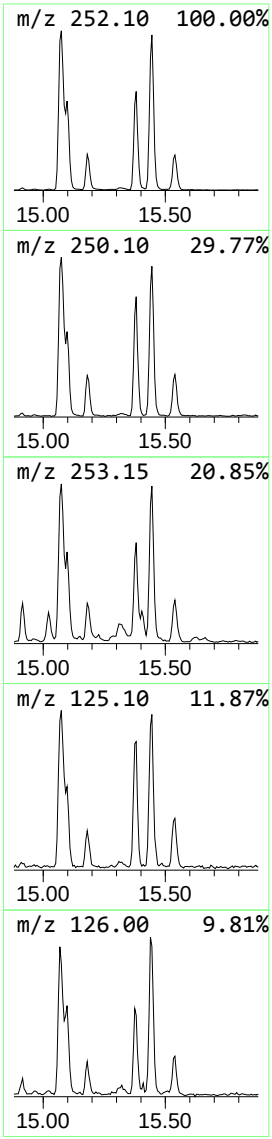
Peak Number 18 Benzo[j]fluoranthene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.380	17.39 ng	539835	Perylene-d12	15.504

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	99
2	Benzo[a]pyrene	252	C20H12	000050-32-8	96
3	Benzo[j]fluoranthene	252	C20H12	000205-82-3	95
4	Perylene	252	C20H12	000198-55-0	95
5	Benzo[b]fluoranthene	252	C20H12	000205-99-2	95





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Data File : BF127469.D
Acq On : 22 Mar 2022 23:36
Operator : CG\JU
Sample : N1958-15
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
C-15-14-15

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF032122.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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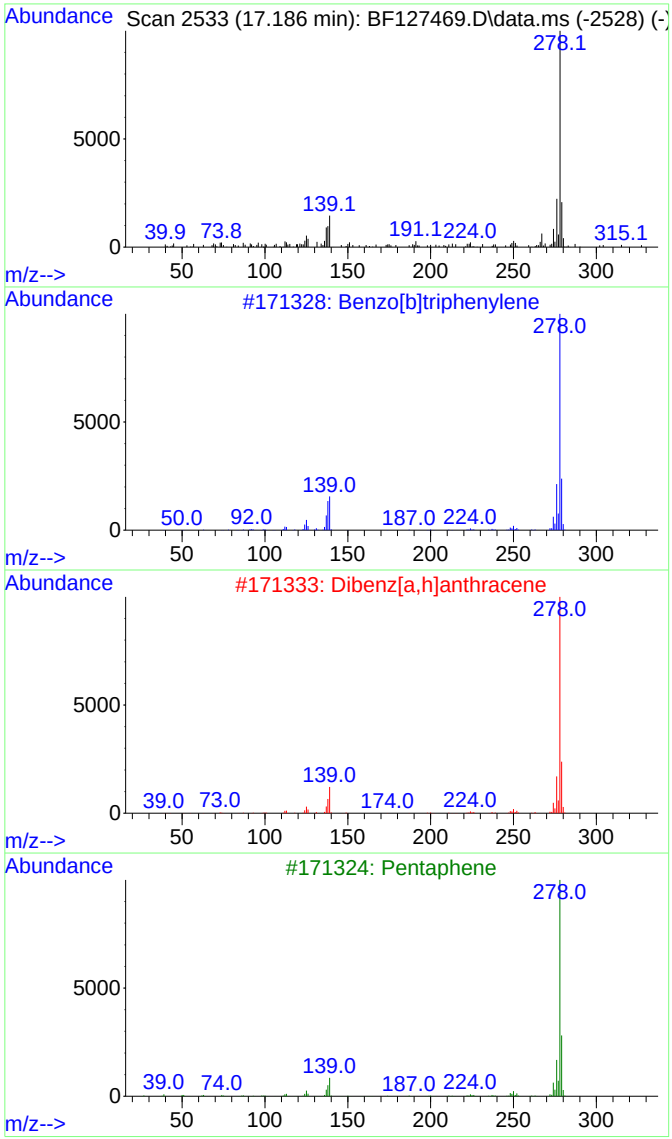
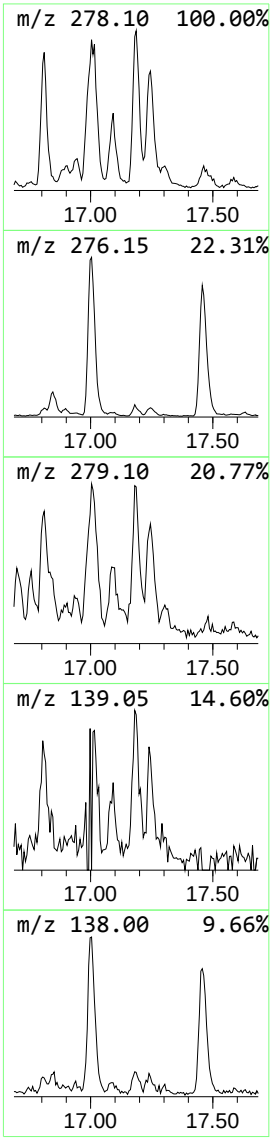
Peak Number 19 Benzo[b]triphenylene Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.186	3.84 ng	119284	Perylene-d12	15.504

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]triphenylene	278	C22H14	000215-58-7	94
2	Dibenz[a,h]anthracene	278	C22H14	000053-70-3	90
3	Pentaphene	278	C22H14	000222-93-5	90
4	Benzo[a]naphthacene	278	C22H14	000226-88-0	90
5	Picene	278	C22H14	000213-46-7	90





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Acq On : 22 Mar 2022 23:36
Operator : CG\JU
Sample : N1958-15
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
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ClientSampleId :
C-15-14-15

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF032122.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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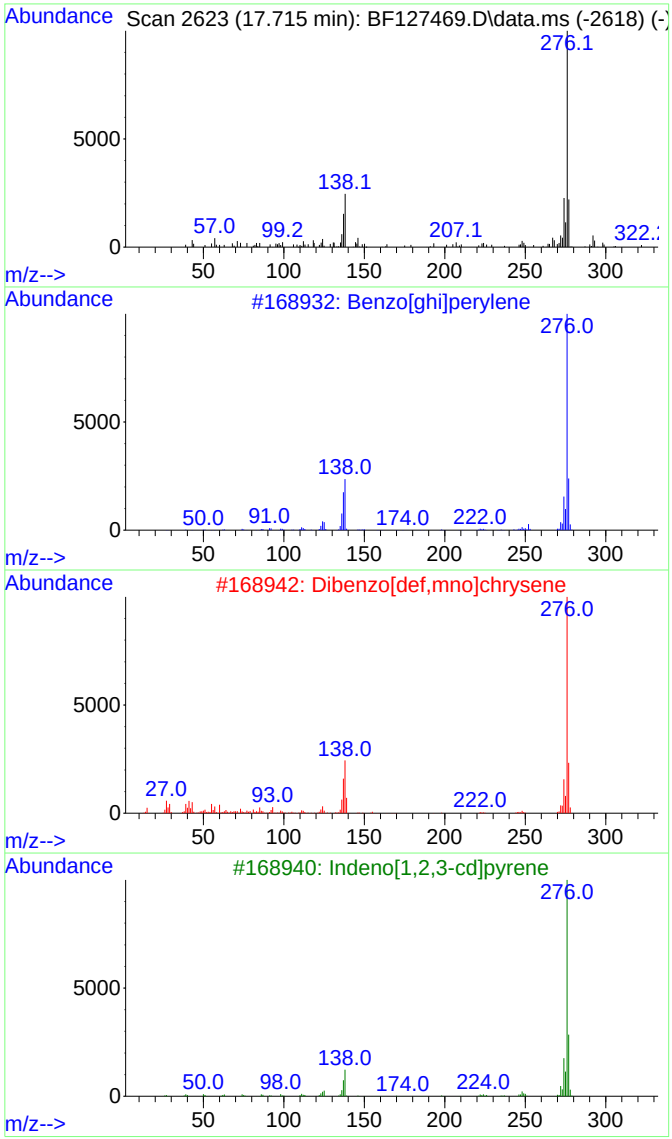
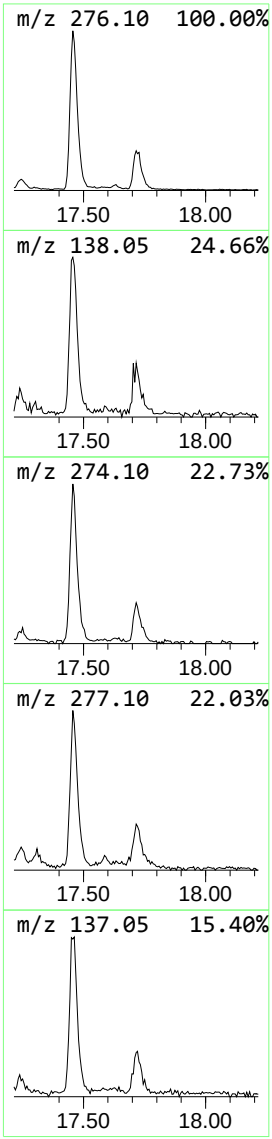
Peak Number 20 Dibenzo[def,mno]chrysene Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.715	4.34 ng	134650	Perylene-d12	15.504

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[ghi]perylene	276	C22H12	000191-24-2	95
2	Dibenzo[def,mno]chrysene	276	C22H12	000191-26-4	91
3	Indeno[1,2,3-cd]pyrene	276	C22H12	000193-39-5	87
4	Indeno[1,2,3-cd]fluoranthene	276	C22H12	000193-43-1	50
5	N-Methyl-1H-benzimidazol-2-amine...	291	C14H25N3Si2	1000332-66-4	38





Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF032222\
Data File : BF127469.D
Acq On : 22 Mar 2022 23:36
Operator : CG\JU
Sample : N1958-15
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
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ClientSampleId :
C-15-14-15

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF032122.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
Naphthalene, 1,...	9.469	3.9	ng	219679	3	9.886	1117930	20.0
Naphthalene, 1,...	9.539	5.0	ng	276453	3	9.886	1117930	20.0
9H-Fluoren-9-ol	10.586	4.0	ng	220715	3	9.886	1117930	20.0
9H-Fluorene, 2-...	10.980	7.2	ng	335902	4	11.381	931320	20.0
3'-Methyl-[1,1'...	11.222	4.5	ng	211141	4	11.381	931320	20.0
Dibenzothiophene	11.275	7.7	ng	358883	4	11.381	931320	20.0
Phenanthrene, 2...	11.880	12.6	ng	585057	4	11.381	931320	20.0
Phenanthrene, 1...	11.904	15.0	ng	697913	4	11.381	931320	20.0
Anthracene, 2-m...	11.957	5.5	ng	258409	4	11.381	931320	20.0
4H-Cyclopenta[d...	11.992	21.8	ng	1017040	4	11.381	931320	20.0
1H-Cyclopropa[l...	12.016	7.0	ng	327561	4	11.381	931320	20.0
Naphthalene, 2-...	12.175	7.2	ng	333558	4	11.381	931320	20.0
Phenanthrene, 2...	12.428	6.4	ng	299513	4	11.381	931320	20.0
Pyrene, 1-methyl-	13.045	3.3	ng	316998	5	14.027	1905100	20.0
11H-Benzo[b]flu...	13.151	4.4	ng	416033	5	14.027	1905100	20.0
Fluoranthene, 2...	13.216	4.0	ng	384391	5	14.027	1905100	20.0
Benzo[e]pyrene	15.180	5.2	ng	162596	6	15.504	620993	20.0
Benzo[j]fluoran...	15.380	17.4	ng	539835	6	15.504	620993	20.0
Benzo[b]triphen...	17.186	3.8	ng	119284	6	15.504	620993	20.0
Dibenzo[def,mno...	17.715	4.3	ng	134650	6	15.504	620993	20.0