LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121420\
Data File : BF122712.D
Acq On : 14 Dec 2020 18:27
Operator : JU/CG
Sample : L5048-01 2X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OR-02-121120

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-BF120520.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF122712.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.416	391	396	406	rBV	643508	739104	16.31%	1.201%
2	5.040	497	502	521	rBV	696787	747050	16.48%	1.214%
3	5.451	568	572	592	rBV	1451777	1368276	30.19%	2.224%
4	5.845	636	639	648	rBV	101716	92794	2.05%	0.151%
5	6.463	740	744	762	rBV	1518552	1596714	35.23%	2.595%
6	6.834	804	807	816	rBV	1130014	916732	20.23%	1.490%
7	7.392	899	902	915	rBV	809324	837341	18.48%	1.361%
8	8.122	1022	1026	1028	rBV	1283677	1174413	25.91%	1.909%
9	8.833	1143	1147	1153	rBV	178950	165110	3.64%	0.268%
10	8.933	1159	1164	1173	rVB	171514	174152	3.84%	0.283%
11	9.192	1204	1208	1219	rBV	2194380	1878574	41.45%	3.054%
12	9.310	1226	1228	1232	rVB	110538	91105	2.01%	0.148%
13	9.463	1249	1254	1257	rBV	96946	132726	2.93%	0.216%
14	9.533	1262	1266	1268	rVV	175761	170781	3.77%	0.278%
15	9.557	1268	1270	1273	rVV	109070	96820	2.14%	0.157%
16	9.586	1273	1275	1282	rVB2	83468	95333	2.10%	0.155%
17	9.651	1282	1286	1291	rBV	84791	102868	2.27%	0.167%
18	9.733	1297	1300	1304	rVB	181993	149983	3.31%	0.244%
19	9.875	1317	1324	1327	rBV	1632067	1449554	31.98%	2.356%
20	9.904	1327	1329	1333	rVB	693999	557004	12.29%	0.905%
21	10.027	1346	1350	1353	rBV2	61990	74102	1.64%	0.120%
22	10.075	1354	1358	1362	rVV	370167	374022	8.25%	0.608%
23	10.116	1362	1365	1369	rVB	89608	74485	1.64%	0.121%
24	10.186	1374	1377	1380	rBV2	76416	86488	1.91%	0.141%
25	10.280	1389	1393	1395	rBV	58908	73561	1.62%	0.120%
26	10.422	1413	1417	1422	rBV	784017	703418	15.52%	1.143%
27	10.469	1422	1425	1426	rBV2	76975	69168	1.53%	0.112%
28	10.504	1430	1431	1434	rVB	99005	72089	1.59%	0.117%
29	10.575	1441	1443	1447	rVB	151567	153473	3.39%	0.249%
30	10.663	1454	1458	1462	rBV	839952	857372	18.92%	1.394%
31	10.786	1474	1479	1485	rVB4	90587	121425	2.68%	0.197%
32	10.969	1504	1510	1513	rBV3	172781	224572	4.96%	0.365%
33	10.998	1513	1515	1518	rVV2	113860	109735	2.42%	0.178%
34	11.051	1521	1524	1527	rVB	99166	91809	2.03%	0.149%
35	11.098	1527	1532	1533	rBV3	91552	117685	2.60%	0.191%
36	11.116	1533	1535	1540	rVV2	104706	138526	3.06%	0.225%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121420\
Data File : BF122712.D
Acq On : 14 Dec 2020 18:27
Operator : JU/CG
Sample : L5048-01 2X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OR-02-121120

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-BF120520.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	11.163	1540	1543	1547	rVV	143131	154754	3.41%	0.252%
38	11.210	1547	1551	1556	rVV3	101910	165649	3.66%	0.269%
39	11.257	1556	1559	1565	rVB	404359	364485	8.04%	0.592%
40	11.363	1572	1577	1579	rBV	1328529	1530262	33.77%	2.487%
41	11.386	1579	1581	1584	rVV	3712389	3496174	77.14%	5.683%
42	11.439	1584	1590	1593	rVV	1350764	1297346	28.63%	2.109%
43	11.469	1593	1595	1598	rVB2	86039	84313	1.86%	0.137%
44	11.592	1609	1616	1619	rBV	371131	413229	9.12%	0.672%
45	11.657	1624	1627	1630	rVV	139942	141111	3.11%	0.229%
46	11.692	1630	1633	1638	rVB2	208484	199324	4.40%	0.324%
47	11.774	1644	1647	1651	rVB	124674	143232	3.16%	0.233%
48	11.863	1656	1662	1664	rVV	624704	581736	12.84%	0.946%
49	11.892	1664	1667	1670	rVV	740997	692611	15.28%	1.126%
50	11.939	1671	1675	1677	rVV	326935	300697	6.63%	0.489%
51	11.974	1677	1681	1683	rVV	1057278	1098609	24.24%	1.786%
52	11.998	1683	1685	1690	rVB	399337	341956	7.55%	0.556%
53	12.157	1704	1712	1714	rVV	429047	429101	9.47%	0.697%
54	12.186	1714	1717	1723	rVB2	204020	220628	4.87%	0.359%
55	12.304	1735	1737	1740	rVV	125978	117747	2.60%	0.191%
56	12.339	1740	1743	1745	rVV	127807	119560	2.64%	0.194%
57	12.363	1745	1747	1750	rVB	116417	91972	2.03%	0.149%
58	12.410	1751	1755	1758	rBV	351418	382973	8.45%	0.622%
59	12.451	1758	1762	1764	rVV	221704	276818	6.11%	0.450%
60	12.498	1767	1770	1775	rBV2	253900	298204	6.58%	0.485%
61	12.580	1779	1784	1787	rBV	4170416	4215036	93.00%	6.851%
62	12.639	1792	1794	1796	rVB	108505	83488	1.84%	0.136%
63	12.727	1802	1809	1812	rBV	219638	307353	6.78%	0.500%
64	12.810	1816	1823	1828	rBV2	3711405	4532055	100.00%	7.367%
65	12.851	1828	1830	1835	rVB2	199940	225408	4.97%	0.366%
66	12.945	1839	1846	1848	rBV2	1790132	1800207	39.72%	2.926%
67	13.021	1854	1859	1863	rBV2	290157	495945	10.94%	0.806%
68	13.110	1870	1874	1875	rBV3	232691	270010	5.96%	0.439%
69	13.133	1875	1878	1881	rVB	631916	623212	13.75%	1.013%
70	13.198	1881	1889	1891	rBV	580180	607690	13.41%	0.988%
71	13.233	1891	1895	1898	rBV2	420389	428054	9.45%	0.696%
72	13.327	1908	1911	1913	rBV	246391	194707	4.30%	0.316%
73	13.357	1913	1916	1920	rBV	269420	248235	5.48%	0.403%
74	13.615	1957	1960	1961	rBV2	84436	90339	1.99%	0.147%
75	13.639	1961	1964	1968	rVB	241831	274926	6.07%	0.447%
76	13.751	1979	1983	1985	rBV3	356501	385681	8.51%	0.627%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121420\
Data File : BF122712.D
Acq On : 14 Dec 2020 18:27
Operator : JU/CG
Sample : L5048-01 2X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OR-02-121120

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-BF120520.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

77	13.774	1985	1987	1990	rVV	300410	307362	6.78%	0.500%
78	13.804	1990	1992	1997	rVV2	273228	385432	8.50%	0.626%
79	13.845	1997	1999	2002	rVB	234957	205011	4.52%	0.333%
80	13.998	2018	2025	2028	rBV2	2245324	3410281	75.25%	5.543%
81	14.027	2028	2030	2036	rVB	1678838	1647026	36.34%	2.677%
82	14.110	2041	2044	2046	rVB	372657	296148	6.53%	0.481%
83	14.151	2048	2051	2055	rBV3	86956	143210	3.16%	0.233%
84	14.227	2060	2064	2067	rVV2	164488	257557	5.68%	0.419%
85	14.257	2067	2069	2072	rVB	87088	87319	1.93%	0.142%
86	14.351	2082	2085	2087	rBV2	133813	125851	2.78%	0.205%
87	14.386	2087	2091	2094	rVV	379620	420231	9.27%	0.683%
88	14.421	2094	2097	2101	rVB	189520	190971	4.21%	0.310%
89	14.510	2110	2112	2114	rBV	200564	181970	4.02%	0.296%
90	14.533	2114	2116	2120	rVB	239610	195770	4.32%	0.318%
91	14.698	2142	2144	2147	rBV2	87795	96488	2.13%	0.157%
92	15.045	2198	2203	2206	rBV	1563766	2441008	53.86%	3.968%
93	15.151	2217	2221	2224	rVB	332684	348672	7.69%	0.567%
94	15.345	2250	2254	2260	rVB	943535	1228806	27.11%	1.997%
95	15.409	2260	2265	2270	rBV	1476499	1808147	39.90%	2.939%
96	15.468	2271	2275	2278	rVV	855511	1105678	24.40%	1.797%
97	15.498	2278	2280	2287	rVB2	451540	560615	12.37%	0.911%
98	16.927	2517	2523	2530	rVB2	647375	1205983	26.61%	1.960%
99	17.368	2592	2598	2610	rVB	478643	1036452	22.87%	1.685%
100	17.598	2634	2637	2646	rVB	128663	232637	5.13%	0.378%

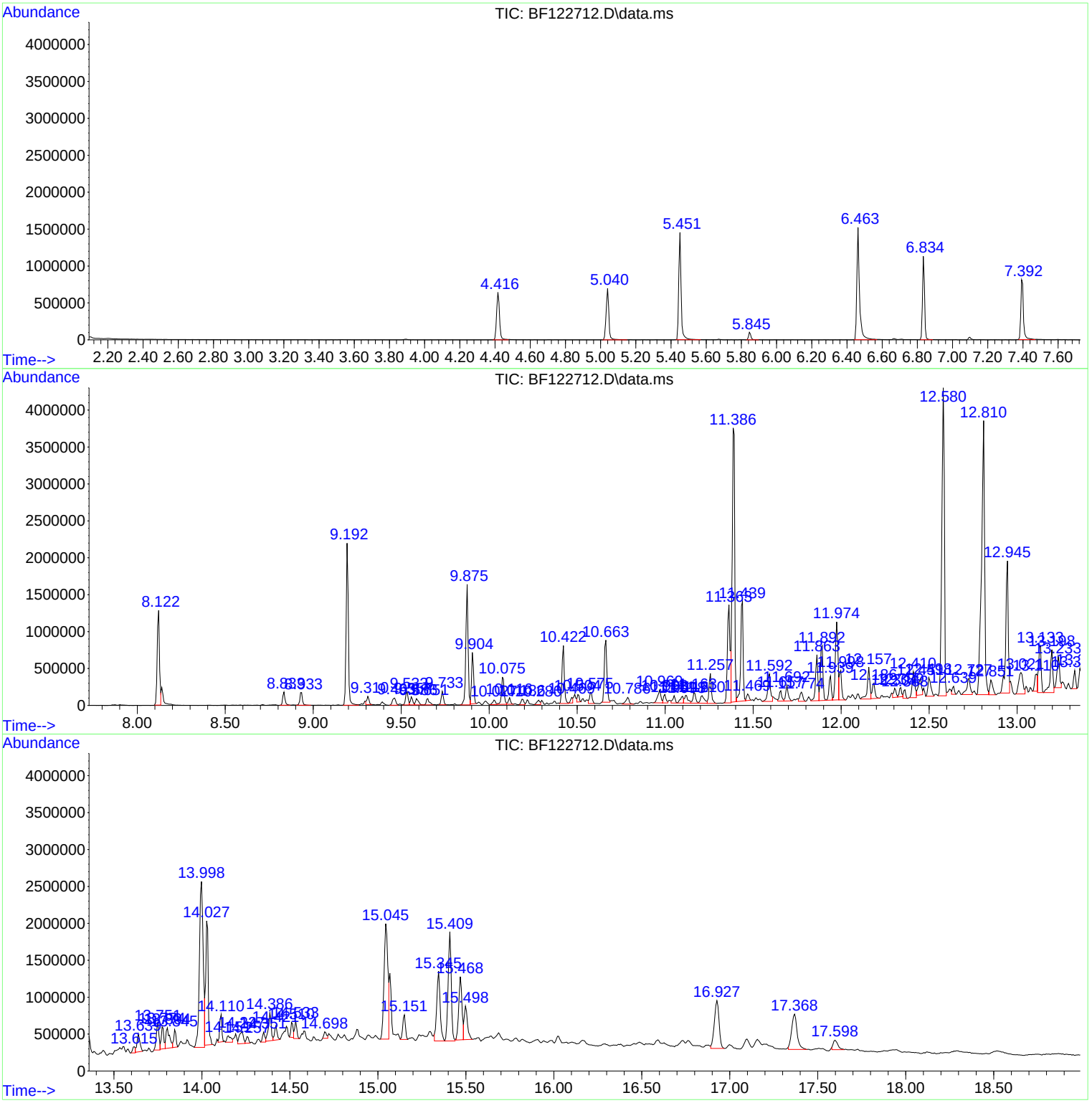
Sum of corrected areas: 61521826

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121420\
Data File : BF122712.D
Acq On : 14 Dec 2020 18:27
Operator : JU/CG
Sample : L5048-01 2X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OR-02-121120

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF120520.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121420\
Data File : BF122712.D
Acq On : 14 Dec 2020 18:27
Operator : JU/CG
Sample : L5048-01 2X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OR-02-121120

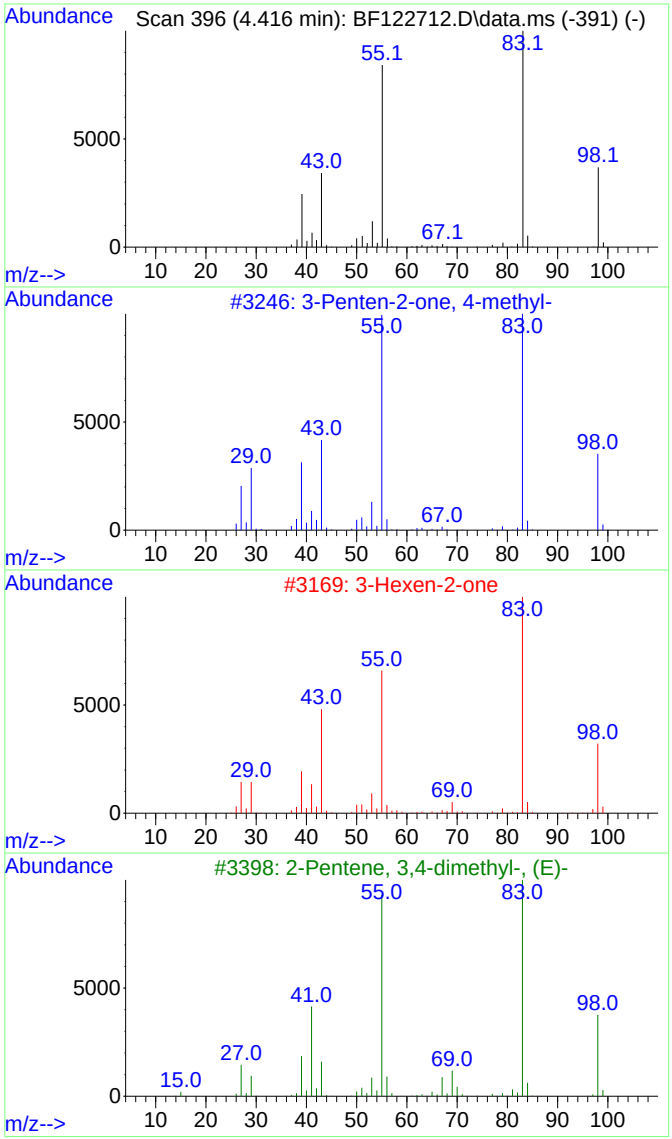
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF120520.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

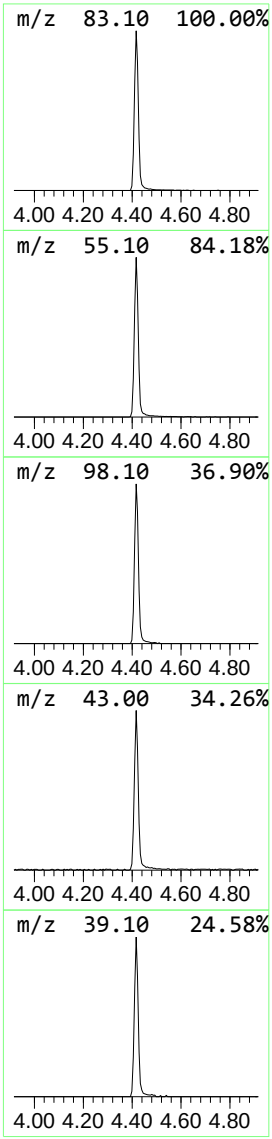
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 3-Penten-2-one, 4-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.416	16.12 ng	739104	1,4-Dichlorobenzene-d4	6.834

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Penten-2-one, 4-methyl-	98	C6H10O	000141-79-7	91
2	3-Hexen-2-one	98	C6H10O	000763-93-9	91
3	2-Pentene, 3,4-dimethyl-, (E)-	98	C7H14	004914-92-5	86
4	2-Pentene, 3,4-dimethyl-, (Z)-	98	C7H14	004914-91-4	86
5	2-Pentene, 2,4-dimethyl-	98	C7H14	000625-65-0	80





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121420\
Data File : BF122712.D
Acq On : 14 Dec 2020 18:27
Operator : JU/CG
Sample : L5048-01 2X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OR-02-121120

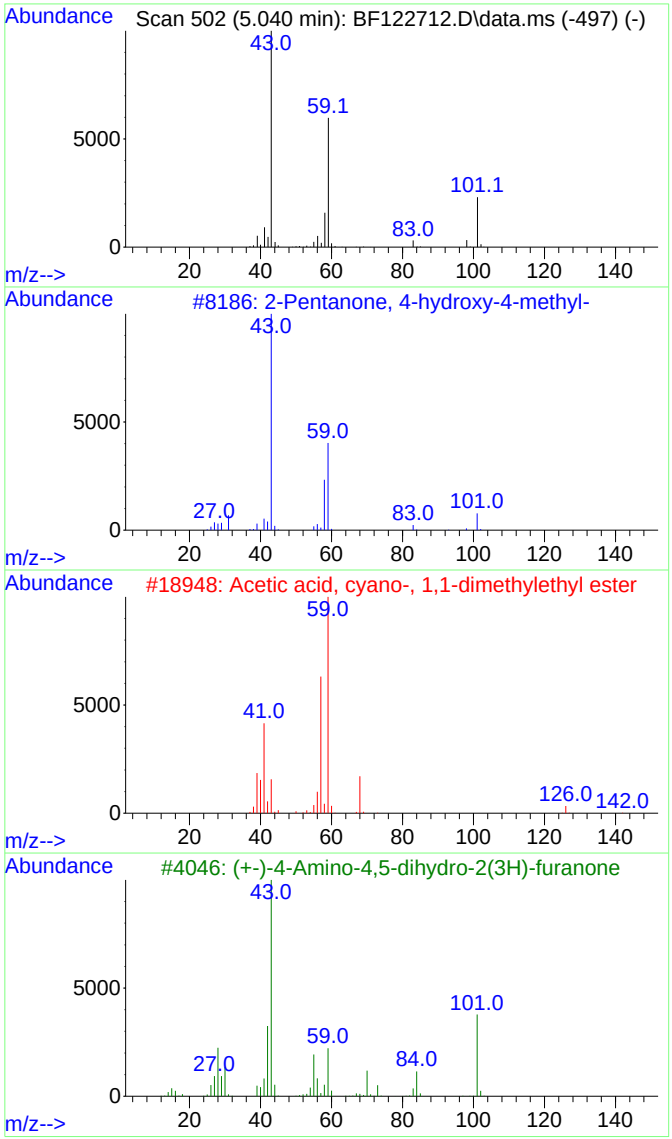
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF120520.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

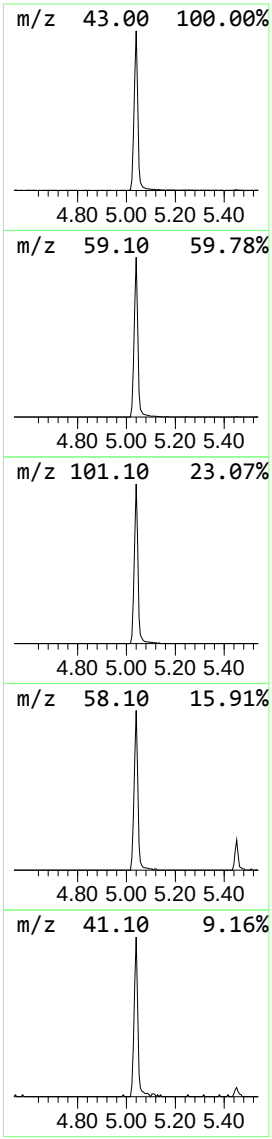
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.040	16.30 ng	747050	1,4-Dichlorobenzene-d4	6.834

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	50
2	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	23
3	(+-)-4-Amino-4,5-dihydro-2(3H)-f...	101	C4H7NO2	016504-58-8	9
4	Butane, 1-ethoxy-	102	C6H14O	000628-81-9	9
5	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	9





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121420\
Data File : BF122712.D
Acq On : 14 Dec 2020 18:27
Operator : JU/CG
Sample : L5048-01 2X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OR-02-121120

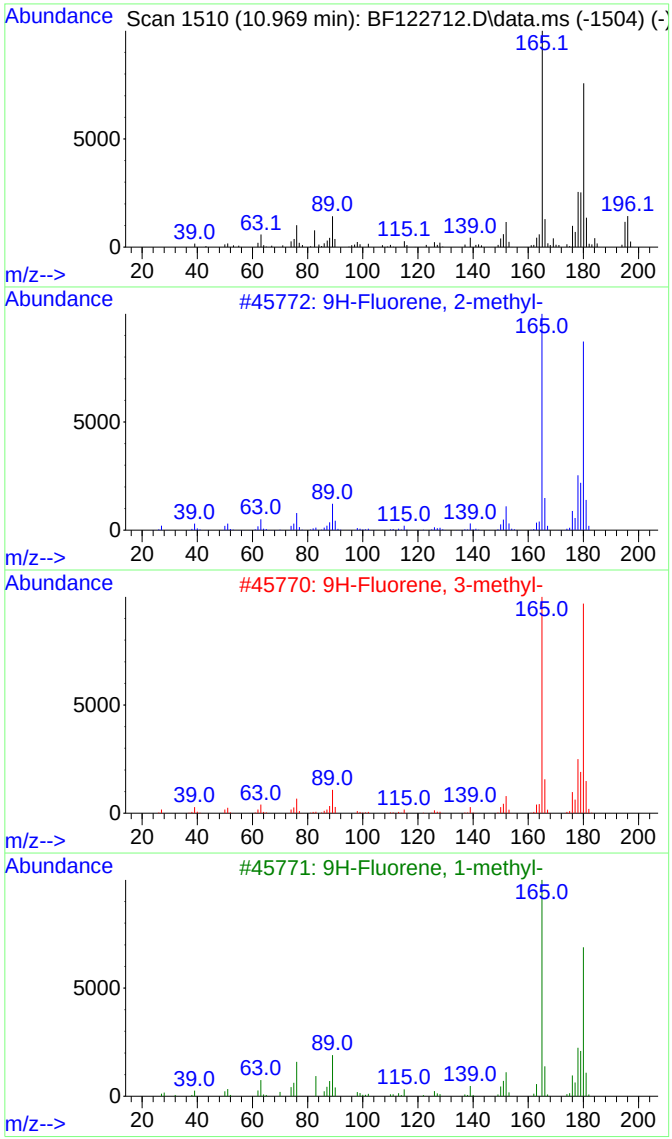
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF120520.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

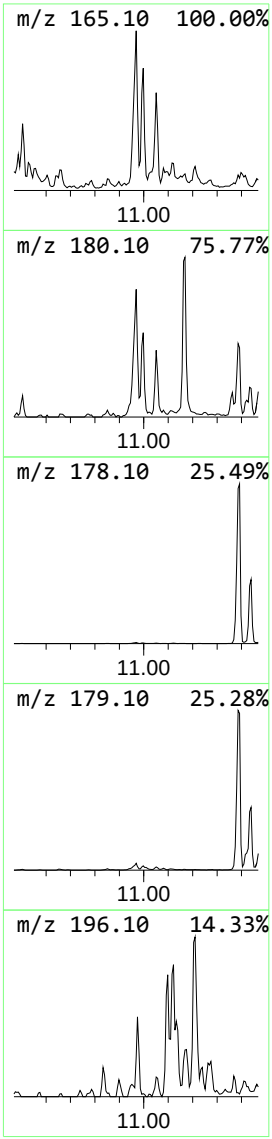
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 3 9H-Fluorene, 2-methyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.969	2.94 ng	224572	Phenanthrene-d10	11.363

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	97
2	9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	96
3	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	96
4	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	89
5	4a,9a-Methano-9H-fluorene	180	C14H12	019540-84-2	70





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121420\
Data File : BF122712.D
Acq On : 14 Dec 2020 18:27
Operator : JU/CG
Sample : L5048-01 2X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OR-02-121120

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF120520.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

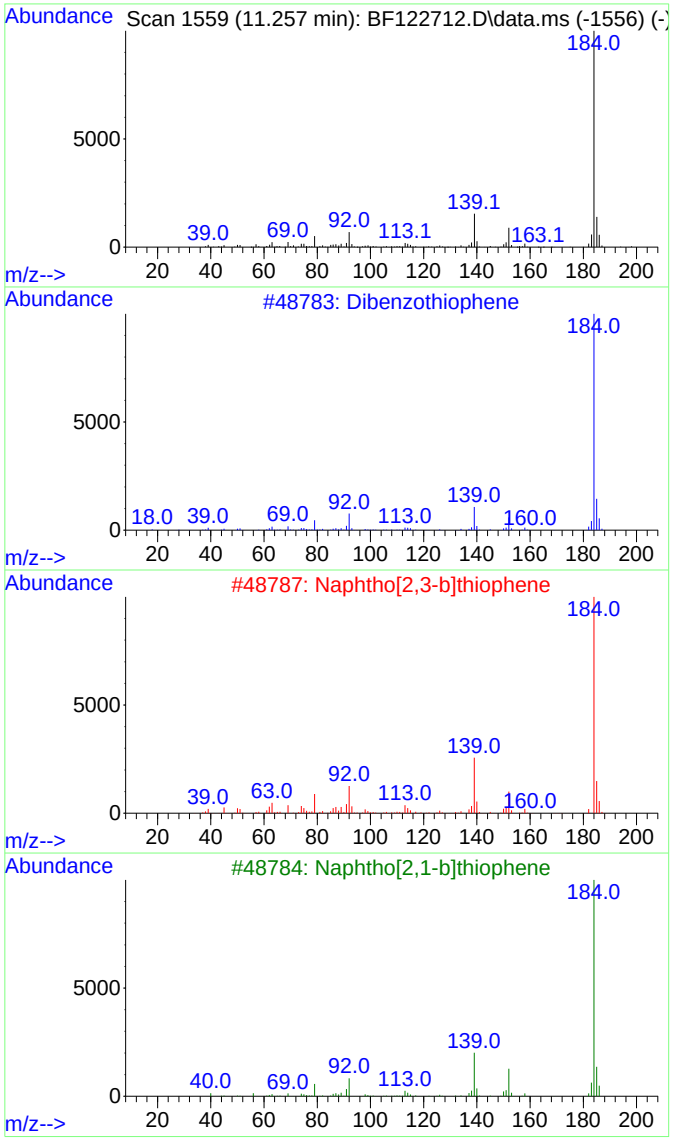
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

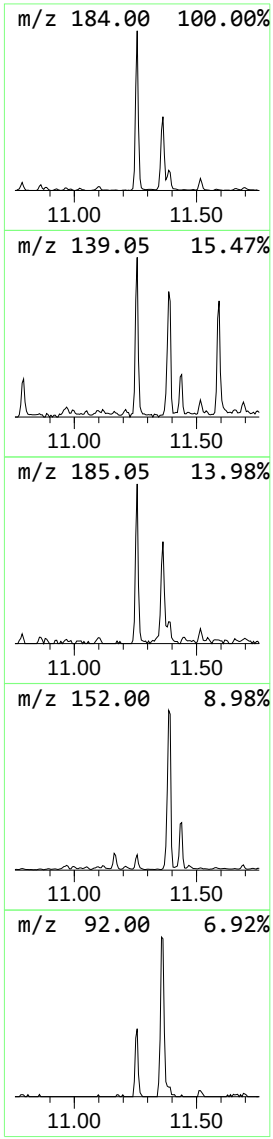
****

Peak Number 4 Dibenzothiophene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.257	4.76 ng	364485	Phenanthrene-d10	11.363

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene	184	C12H8S	000132-65-0	97
2	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	95
3	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	95
4	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	91
5	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	90





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121420\
Data File : BF122712.D
Acq On : 14 Dec 2020 18:27
Operator : JU/CG
Sample : L5048-01 2X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OR-02-121120

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF120520.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

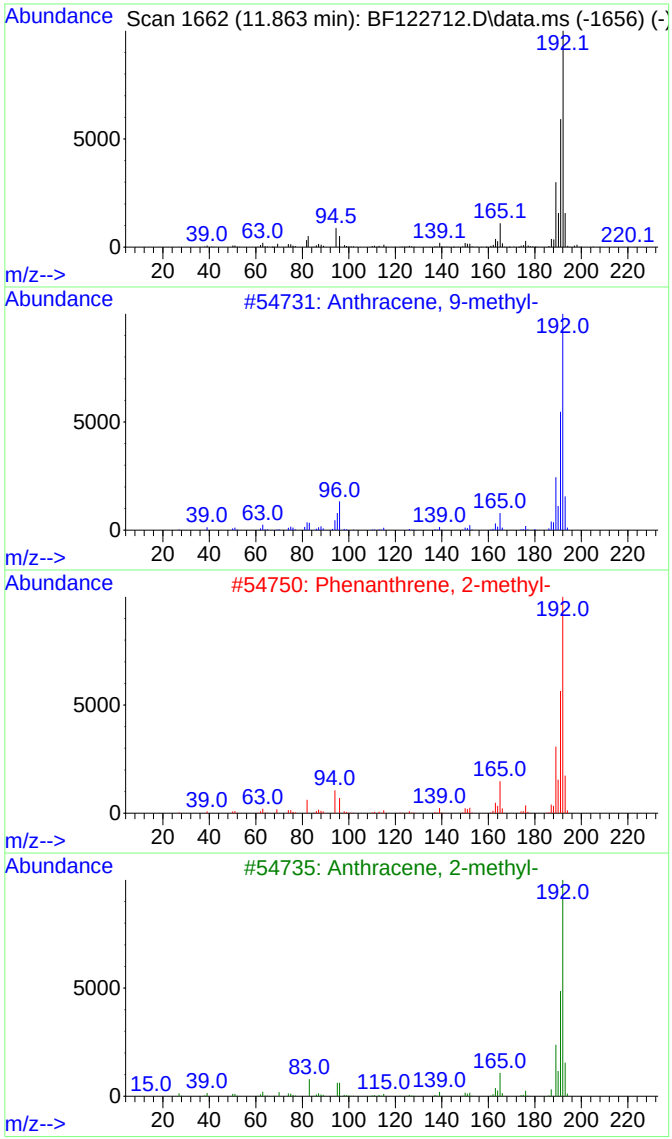
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

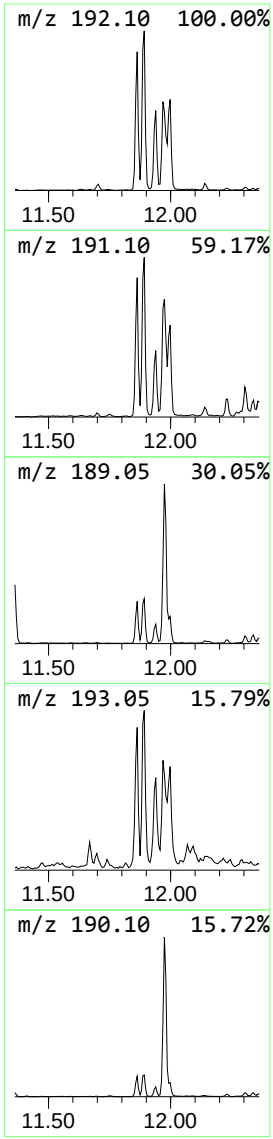
****

Peak Number 5 Anthracene, 9-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.863	7.60 ng	581736	Phenanthrene-d10	11.363

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 9-methyl-	192	C15H12	000779-02-2	94
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	91
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	91
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	91





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121420\
Data File : BF122712.D
Acq On : 14 Dec 2020 18:27
Operator : JU/CG
Sample : L5048-01 2X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OR-02-121120

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF120520.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

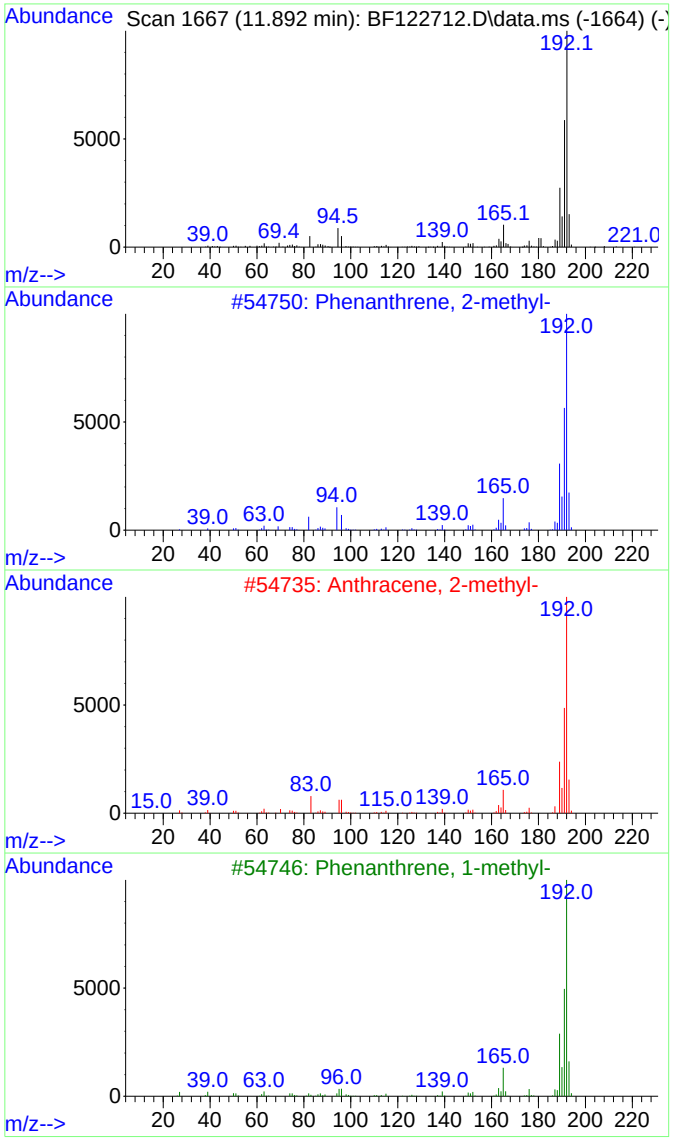
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

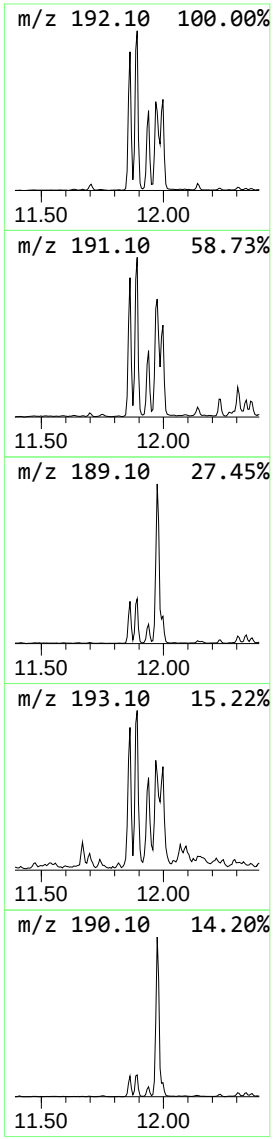
****

Peak Number 6 Phenanthrene, 2-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.892	9.05 ng	692611	Phenanthrene-d10	11.363

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	96
4	Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	94
5	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	93





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121420\
Data File : BF122712.D
Acq On : 14 Dec 2020 18:27
Operator : JU/CG
Sample : L5048-01 2X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OR-02-121120

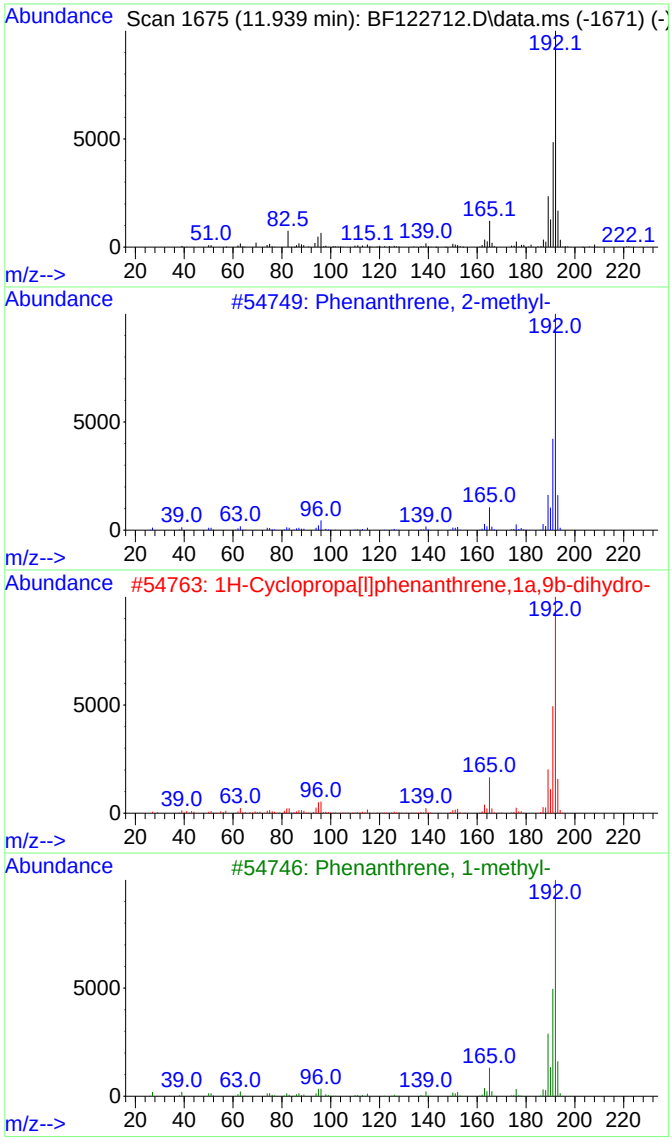
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF120520.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

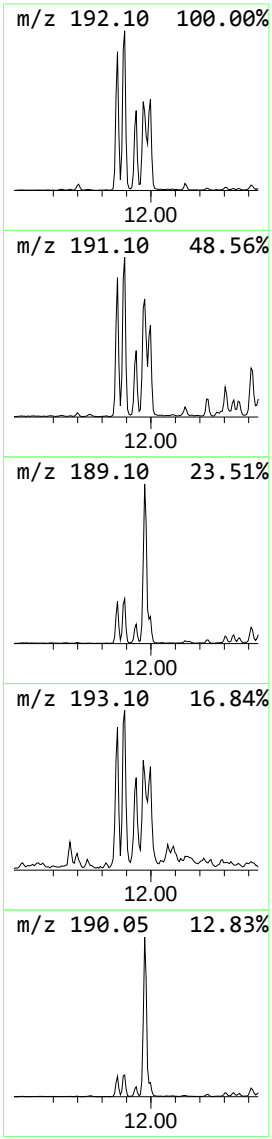
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 7 1H-Cyclopropa[l]phenanthren... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.939	3.93 ng	300697	Phenanthrene-d10	11.363

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
2	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	96
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
4	Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	94
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	93





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121420\
Data File : BF122712.D
Acq On : 14 Dec 2020 18:27
Operator : JU/CG
Sample : L5048-01 2X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OR-02-121120

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF120520.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

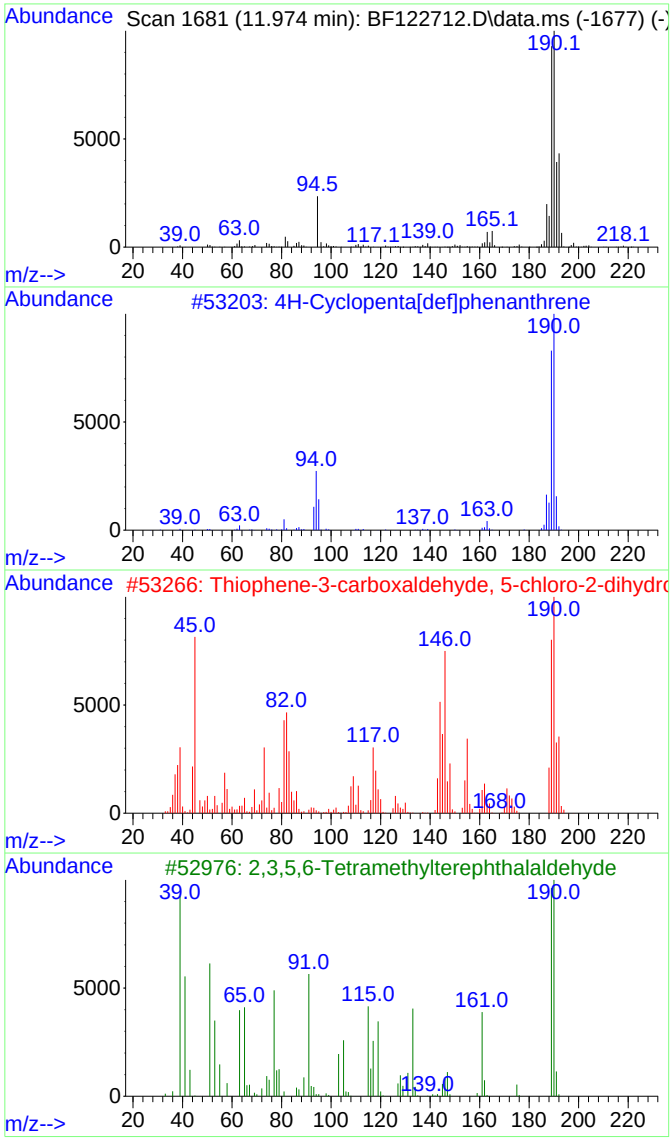
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

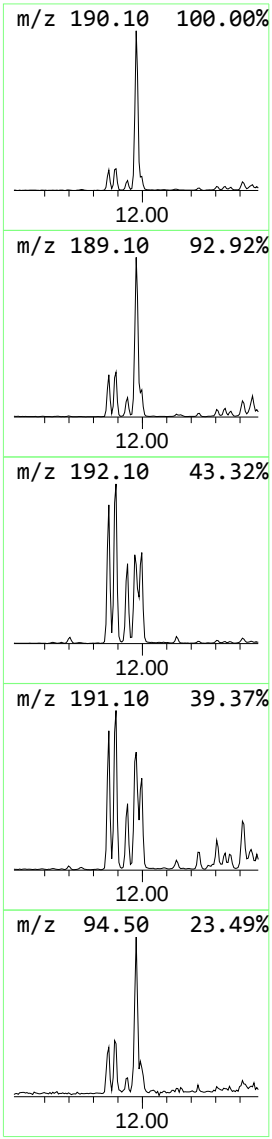
****

Peak Number 8 4H-Cyclopenta[def]phenanthrene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.974	14.36 ng	1098610	Phenanthrene-d10	11.363

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	94
2	Thiophene-3-carboxaldehyde, 5-ch...	190	C5H4BClO3S	036155-87-0	53
3	2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	43
4	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	42
5	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	40





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121420\
Data File : BF122712.D
Acq On : 14 Dec 2020 18:27
Operator : JU/CG
Sample : L5048-01 2X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OR-02-121120

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF120520.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

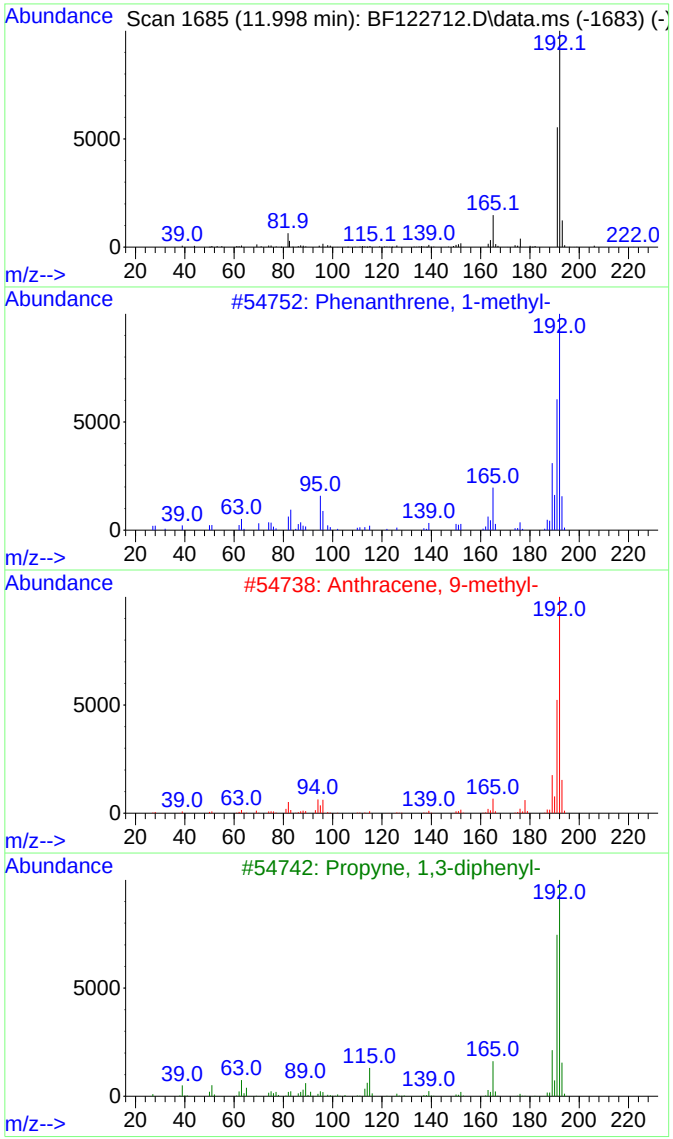
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

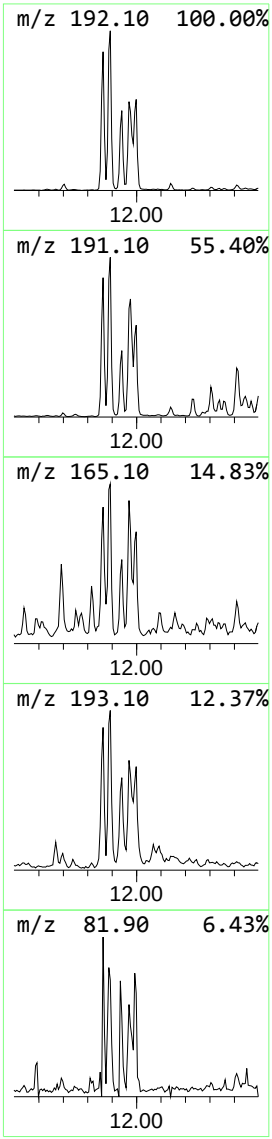
****

Peak Number 9 Phenanthrene, 1-methyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.998	4.47 ng	341956	Phenanthrene-d10	11.363

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	86
2	Anthracene, 9-methyl-	192	C15H12	000779-02-2	86
3	Propyne, 1,3-diphenyl-	192	C15H12	004980-70-5	78
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	78
5	1a,9b-Dihydro-1H-cyclopropa[a]an...	192	C15H12	006109-24-6	78





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121420\
Data File : BF122712.D
Acq On : 14 Dec 2020 18:27
Operator : JU/CG
Sample : L5048-01 2X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OR-02-121120

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF120520.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

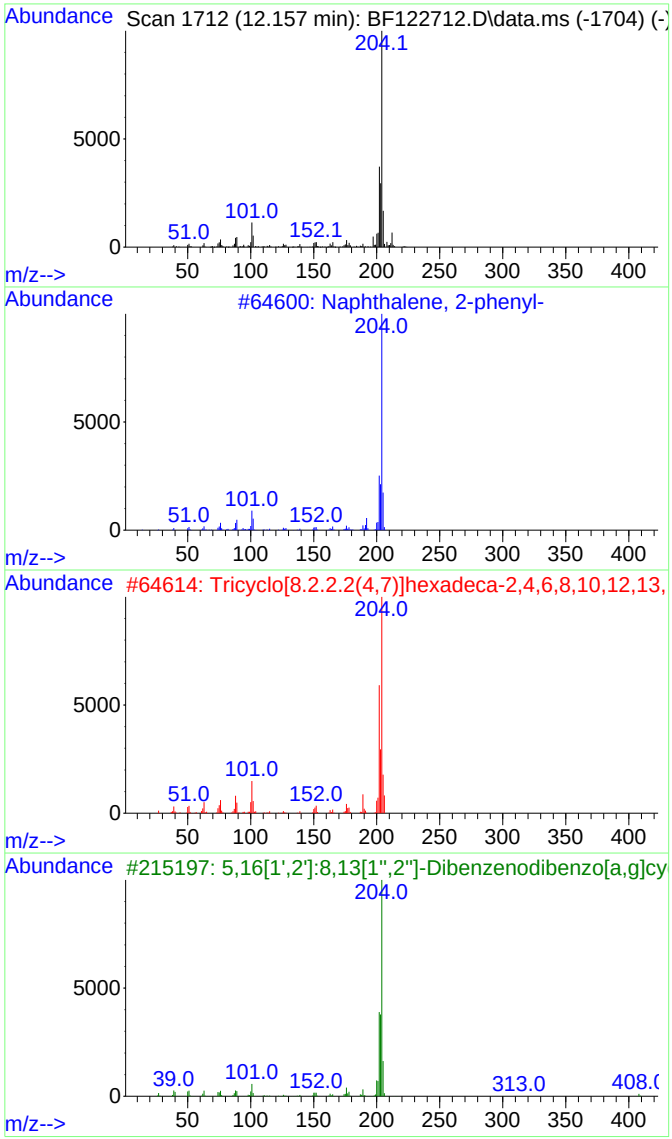
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

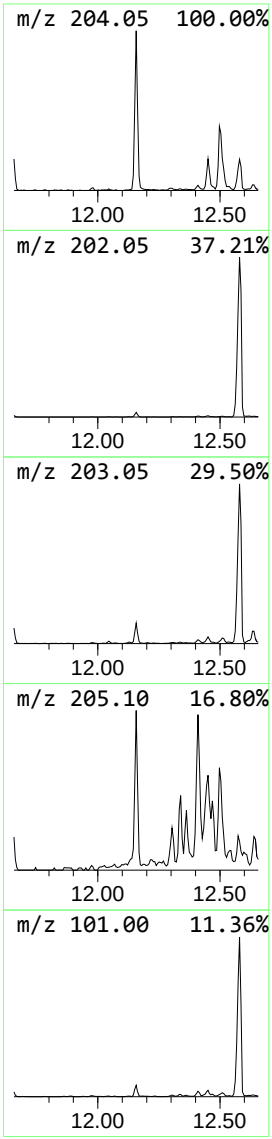
****

Peak Number 10 Naphthalene, 2-phenyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.157	5.61 ng	429101	Phenanthrene-d10	11.363

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	96
2	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	90
3	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	87
4	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	86
5	Acephenanthrylene, 4,5-dihydro-	204	C16H12	006232-48-0	58





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121420\
Data File : BF122712.D
Acq On : 14 Dec 2020 18:27
Operator : JU/CG
Sample : L5048-01 2X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OR-02-121120

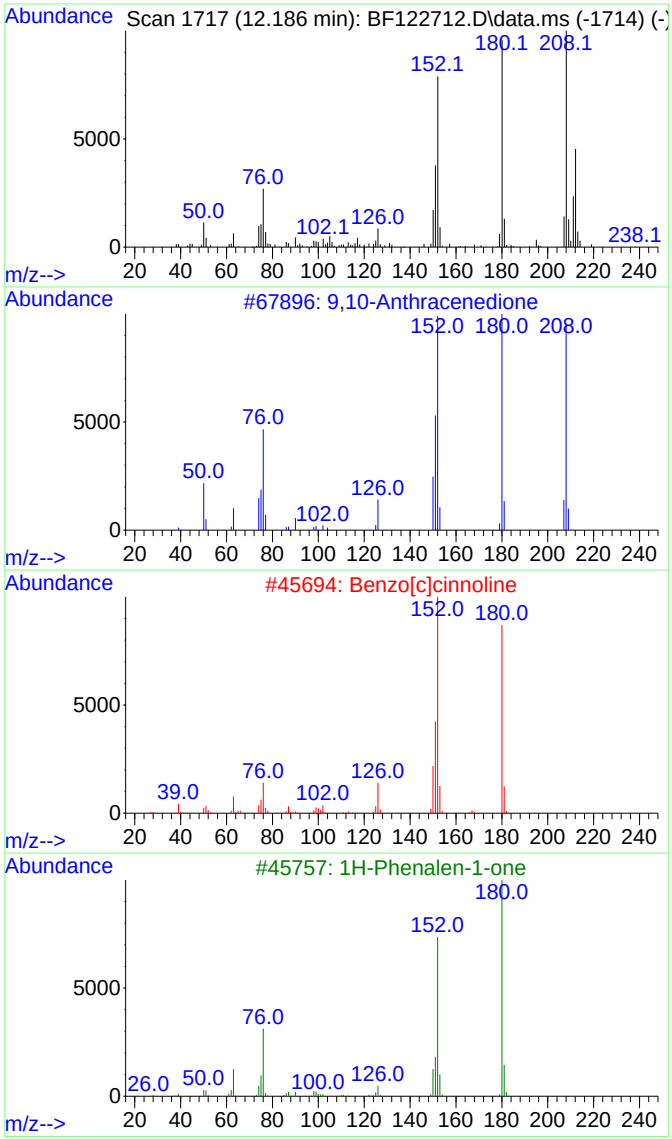
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF120520.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

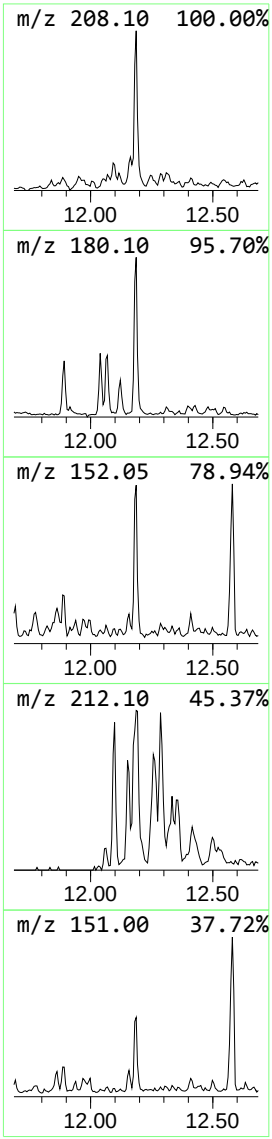
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 11 9,10-Anthracenedione Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.186	2.88 ng	220628	Phenanthrene-d10	11.363

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	98
2	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	70
3	1H-Phenalen-1-one	180	C13H8O	000548-39-0	55
4	1,4-Anthracenedione	208	C14H8O2	000635-12-1	49
5	9H-Fluoren-9-one	180	C13H8O	000486-25-9	46





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121420\
Data File : BF122712.D
Acq On : 14 Dec 2020 18:27
Operator : JU/CG
Sample : L5048-01 2X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OR-02-121120

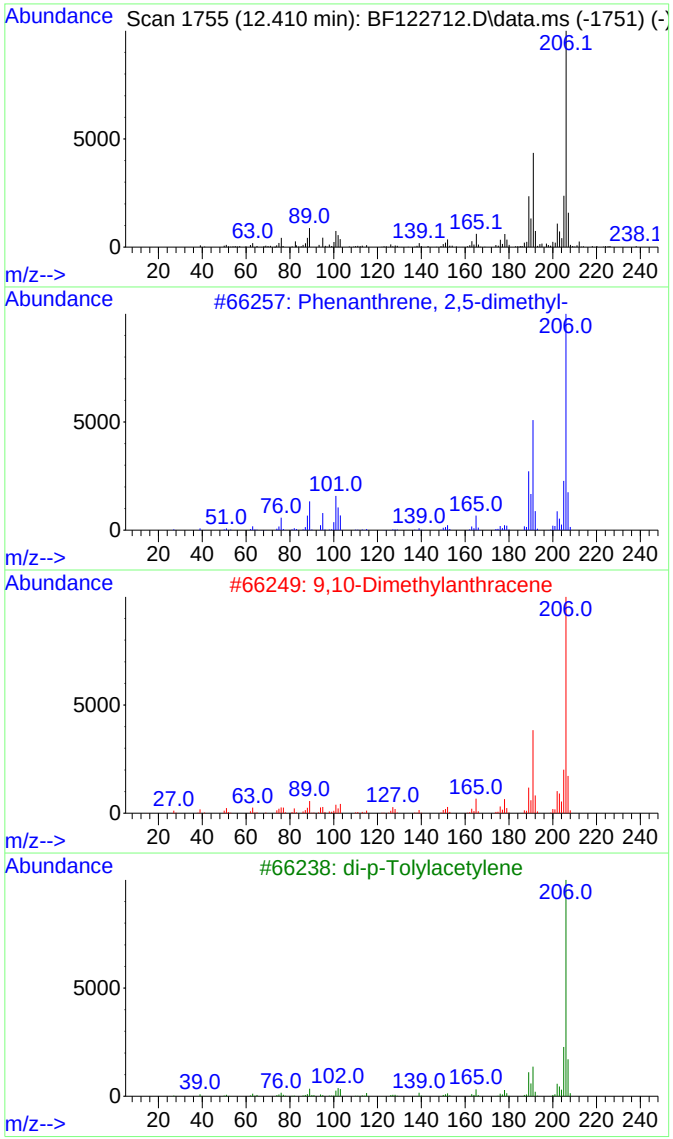
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF120520.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

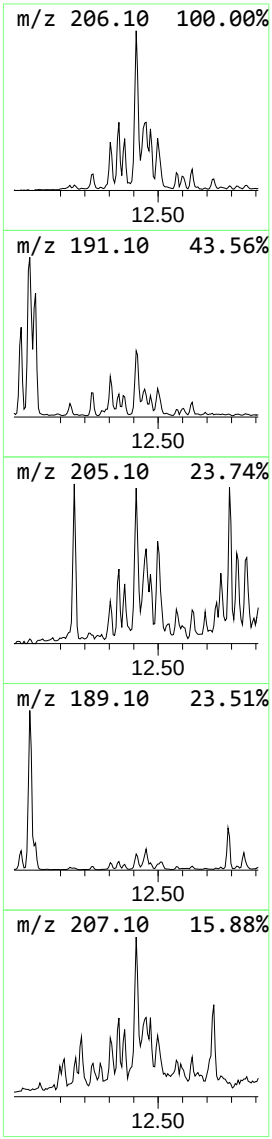
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 12 Phenanthrene, 2,5-dimethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.410	5.01 ng	382973	Phenanthrene-d10	11.363

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	95
2	9,10-Dimethylanthracene	206	C16H14	000781-43-1	94
3	di-p-Tolylacetylene	206	C16H14	002789-88-0	91
4	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	90
5	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	87





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121420\
Data File : BF122712.D
Acq On : 14 Dec 2020 18:27
Operator : JU/CG
Sample : L5048-01 2X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OR-02-121120

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF120520.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

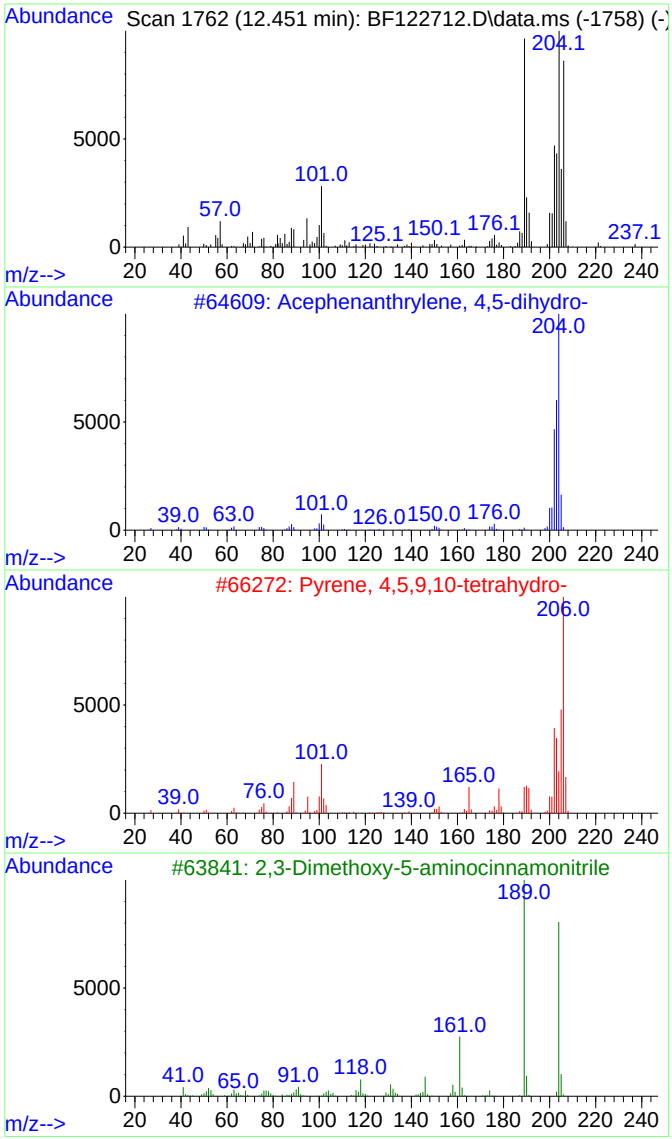
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

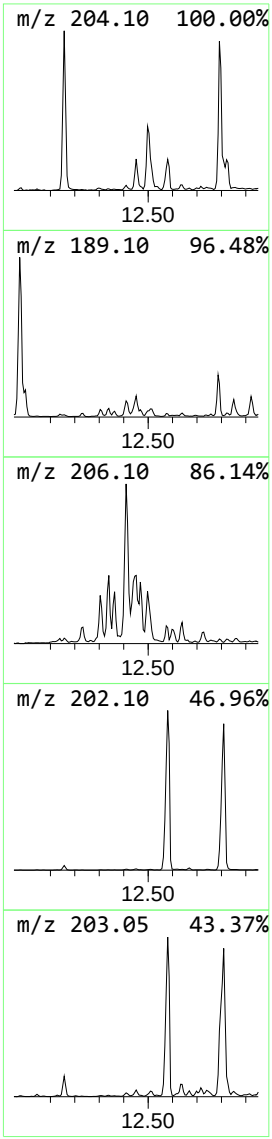
****

Peak Number 13 unknown12.451 Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.451	3.62 ng	276818	Phenanthrene-d10	11.363

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Acephenanthrylene, 4,5-dihydro-	204	C16H12	006232-48-0	38
2	Pyrene, 4,5,9,10-tetrahydro-	206	C16H14	000781-17-9	38
3	2,3-Dimethoxy-5-aminocinnamonitrile	204	C11H12N2O2	1000214-46-5	35
4	Levamisole	204	C11H12N2S	014769-73-4	30
5	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	30





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121420\
Data File : BF122712.D
Acq On : 14 Dec 2020 18:27
Operator : JU/CG
Sample : L5048-01 2X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OR-02-121120

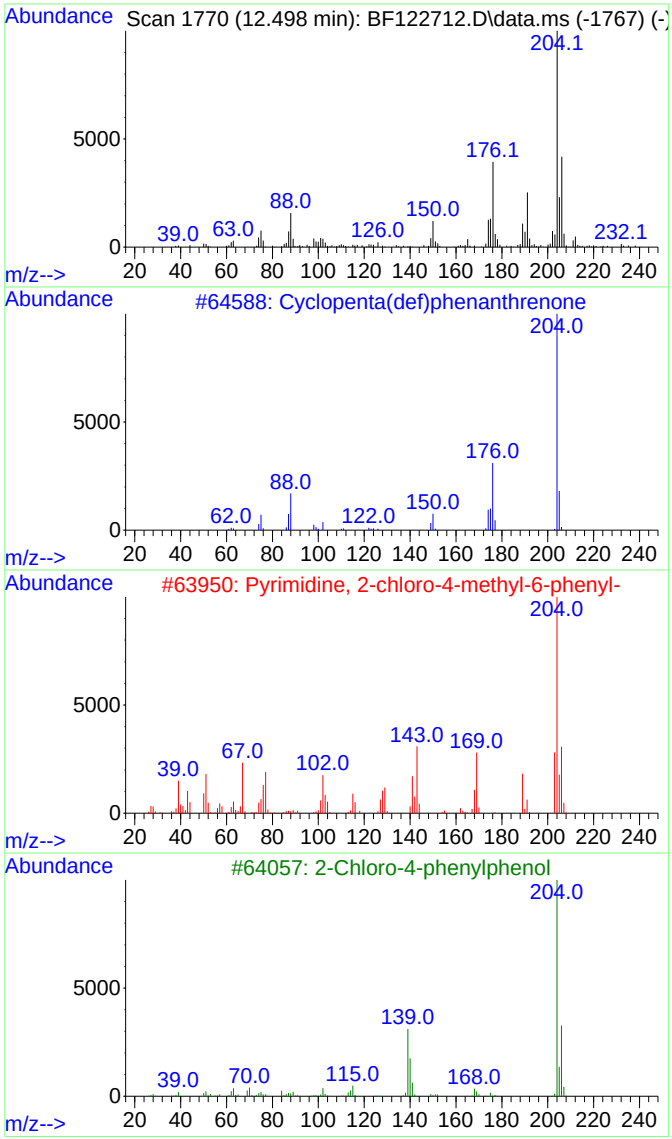
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF120520.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

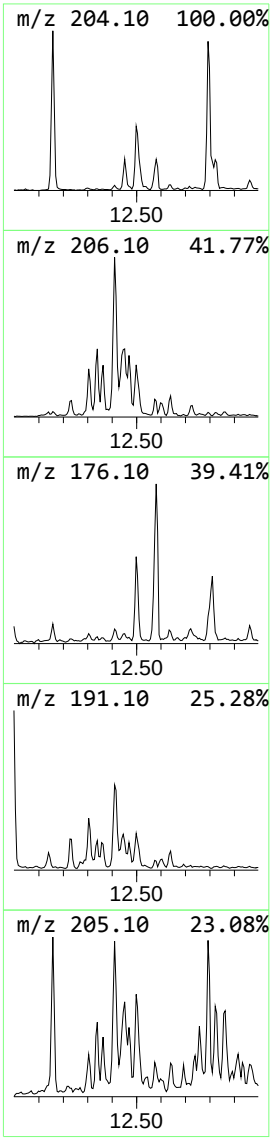
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 14 Cyclopenta(def)phenanthrenone Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.498	3.90 ng	298204	Phenanthrene-d10	11.363

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	96
2	Pyrimidine, 2-chloro-4-methyl-6-...	204	C11H9ClN2	032785-40-3	50
3	2-Chloro-4-phenylphenol	204	C12H9ClO	000092-04-6	43
4	[1,1'-Biphenyl]-2-ol, 5-chloro-	204	C12H9ClO	000607-12-5	43
5	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	41





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121420\
Data File : BF122712.D
Acq On : 14 Dec 2020 18:27
Operator : JU/CG
Sample : L5048-01 2X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OR-02-121120

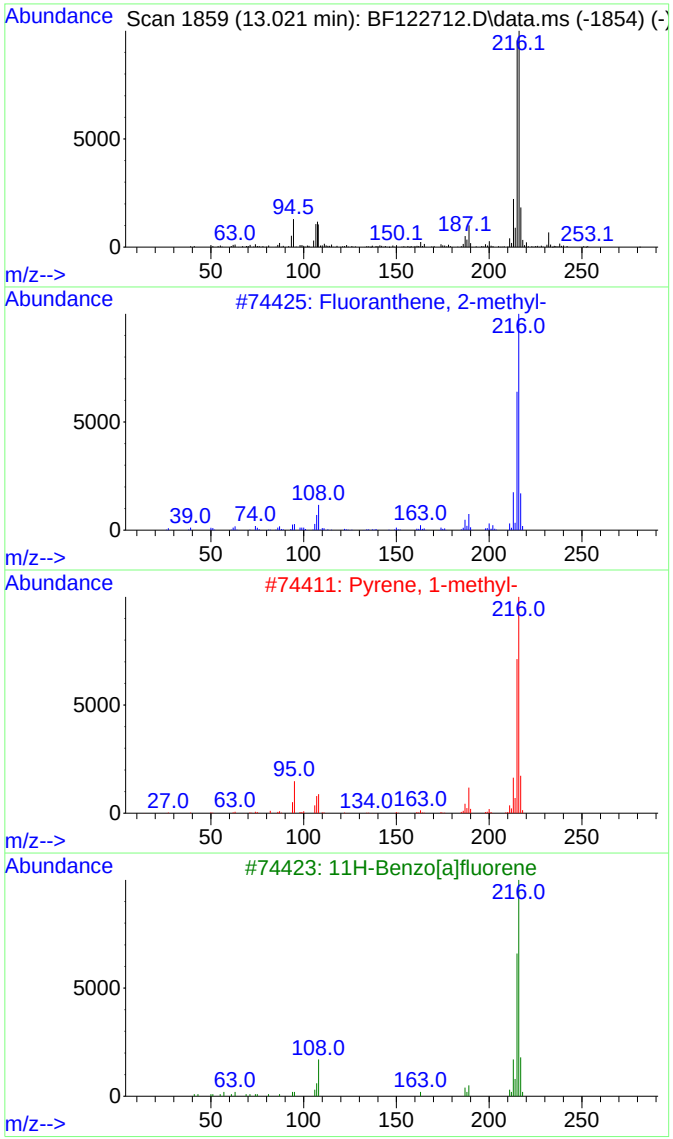
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF120520.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

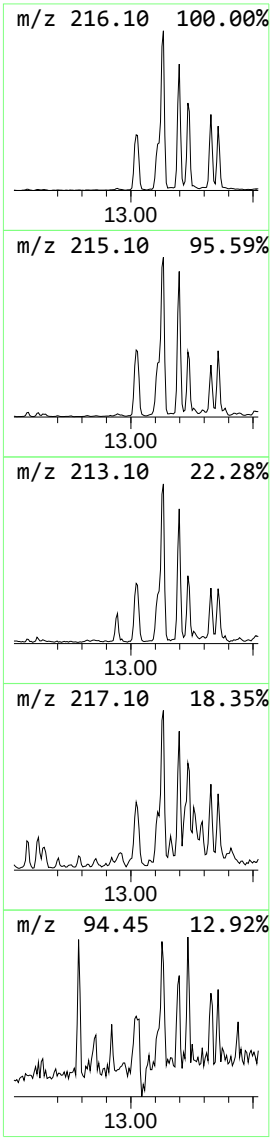
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 15 Fluoranthene, 2-methyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.021	2.91 ng	495945	Chrysene-d12	14.004

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	95
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	94
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	91
4	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	90
5	Pyrene, 2-methyl-	216	C17H12	003442-78-2	64





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121420\
Data File : BF122712.D
Acq On : 14 Dec 2020 18:27
Operator : JU/CG
Sample : L5048-01 2X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OR-02-121120

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF120520.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

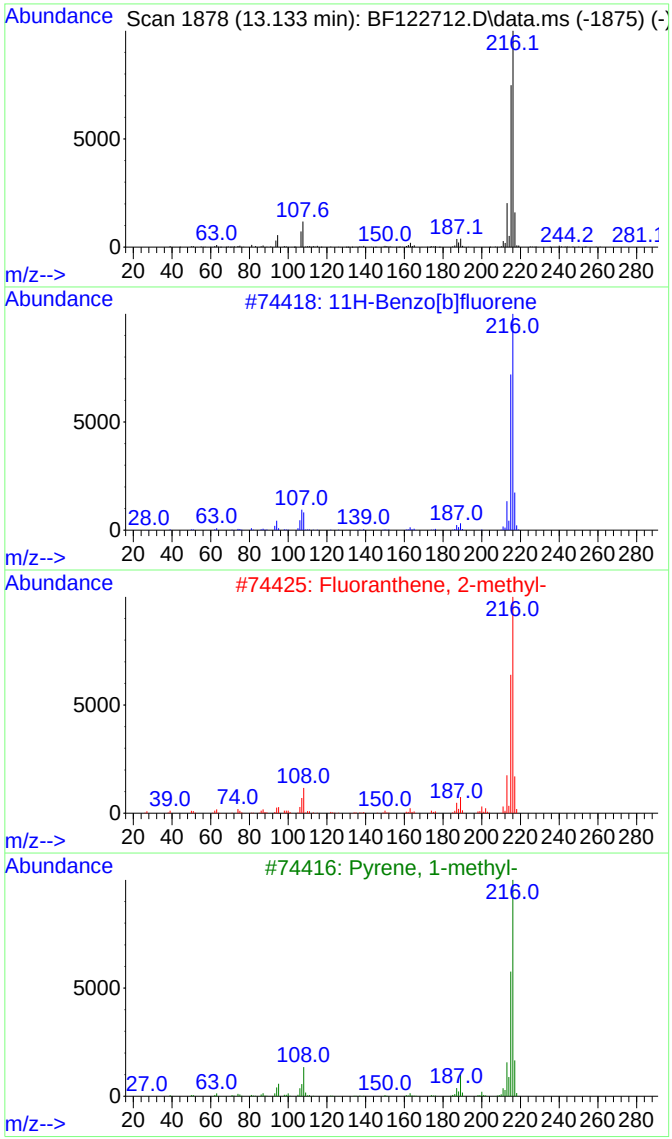
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

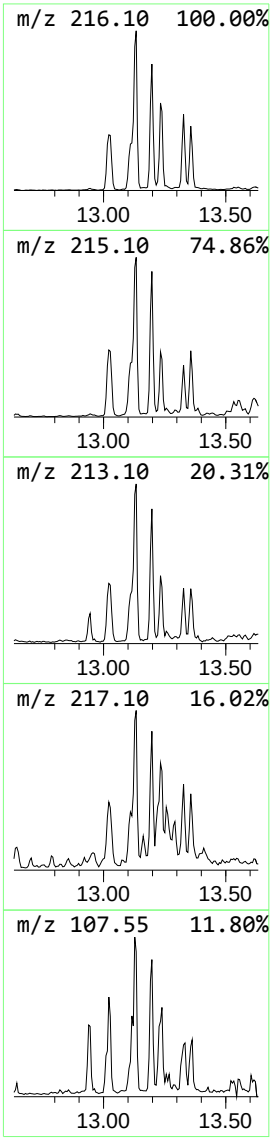
****

Peak Number 16 11H-Benzo[b]fluorene Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.133	3.65 ng	623212	Chrysene-d12	14.004

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	96
2	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	87
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	86
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	80
5	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	72





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121420\
Data File : BF122712.D
Acq On : 14 Dec 2020 18:27
Operator : JU/CG
Sample : L5048-01 2X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OR-02-121120

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF120520.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

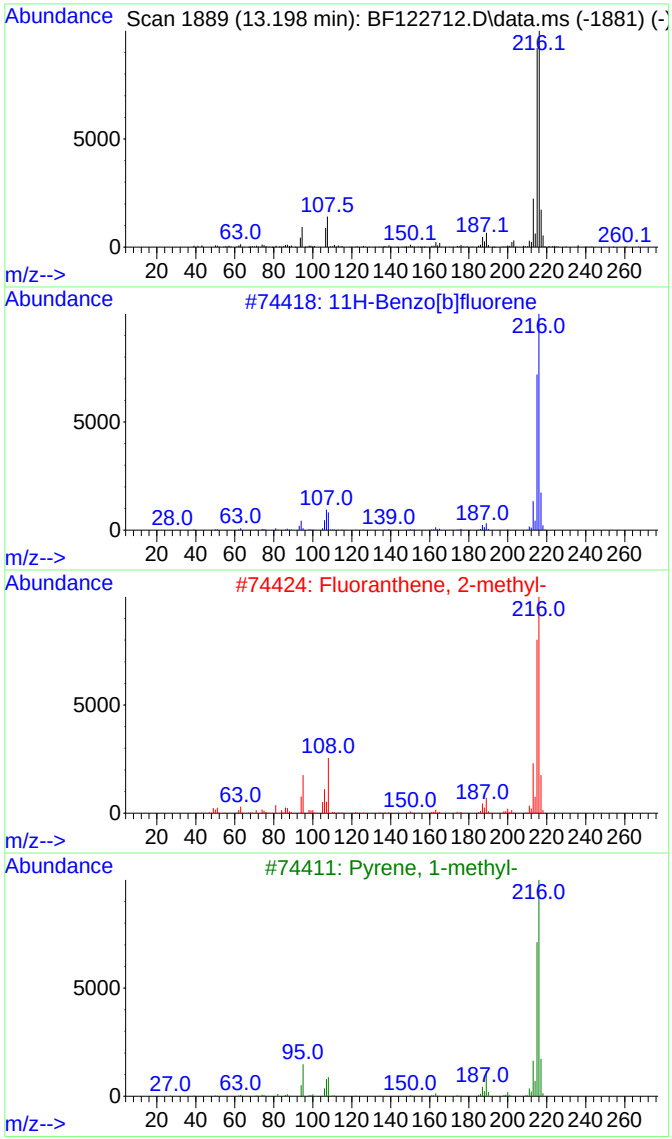
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

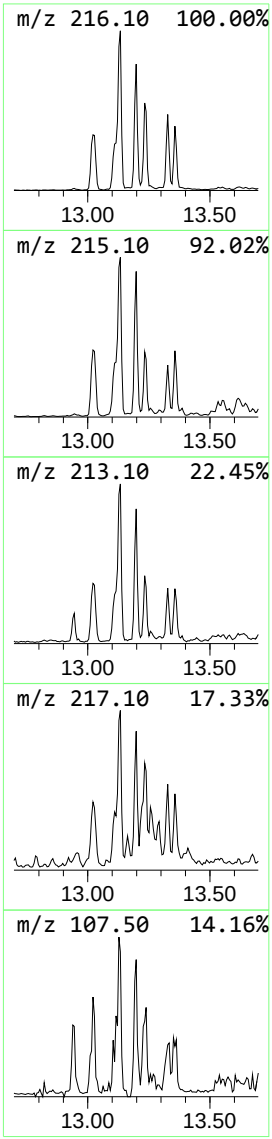
****

Peak Number 17 Pyrene, 1-methyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.198	3.56 ng	607690	Chrysene-d12	14.004

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	95
2	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	95
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	91
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	90
5	Benzoic acid, 3-(3,5-dimethyl-1-...	216	C12H12N2O2	312531-88-7	64





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121420\
Data File : BF122712.D
Acq On : 14 Dec 2020 18:27
Operator : JU/CG
Sample : L5048-01 2X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OR-02-121120

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF120520.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

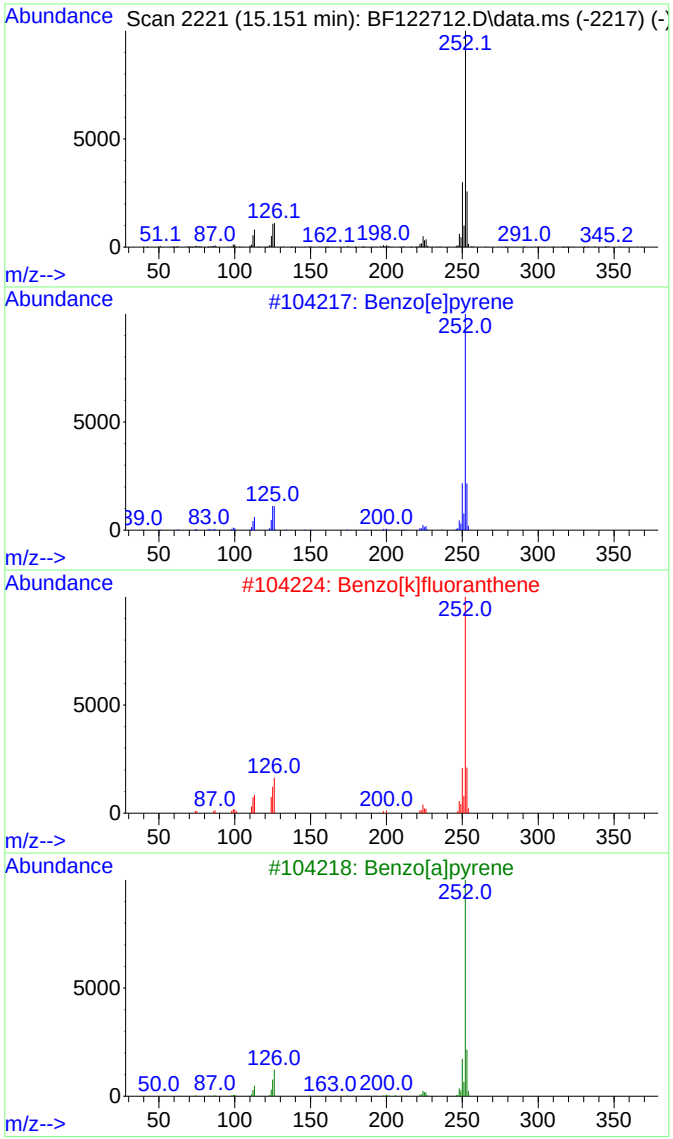
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

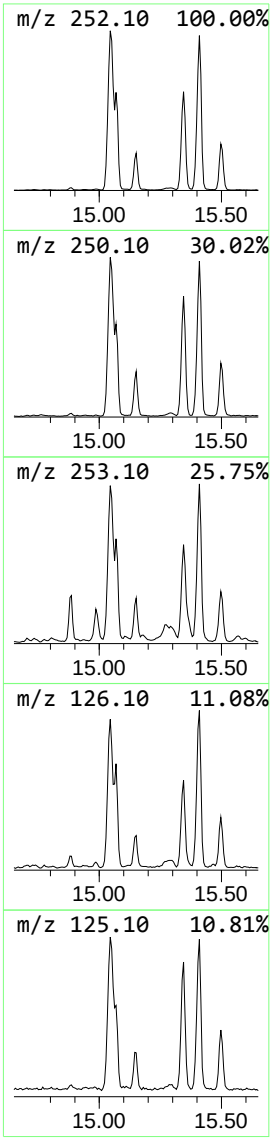
****

Peak Number 18 Benzo[e]pyrene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.151	6.31 ng	348672	Perylene-d12	15.468

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	95
2	Benzo[k]fluoranthene	252	C20H12	000207-08-9	95
3	Benzo[a]pyrene	252	C20H12	000050-32-8	93
4	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	90
5	Benzo[j]fluoranthene	252	C20H12	000205-82-3	81





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121420\
Data File : BF122712.D
Acq On : 14 Dec 2020 18:27
Operator : JU/CG
Sample : L5048-01 2X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OR-02-121120

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF120520.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

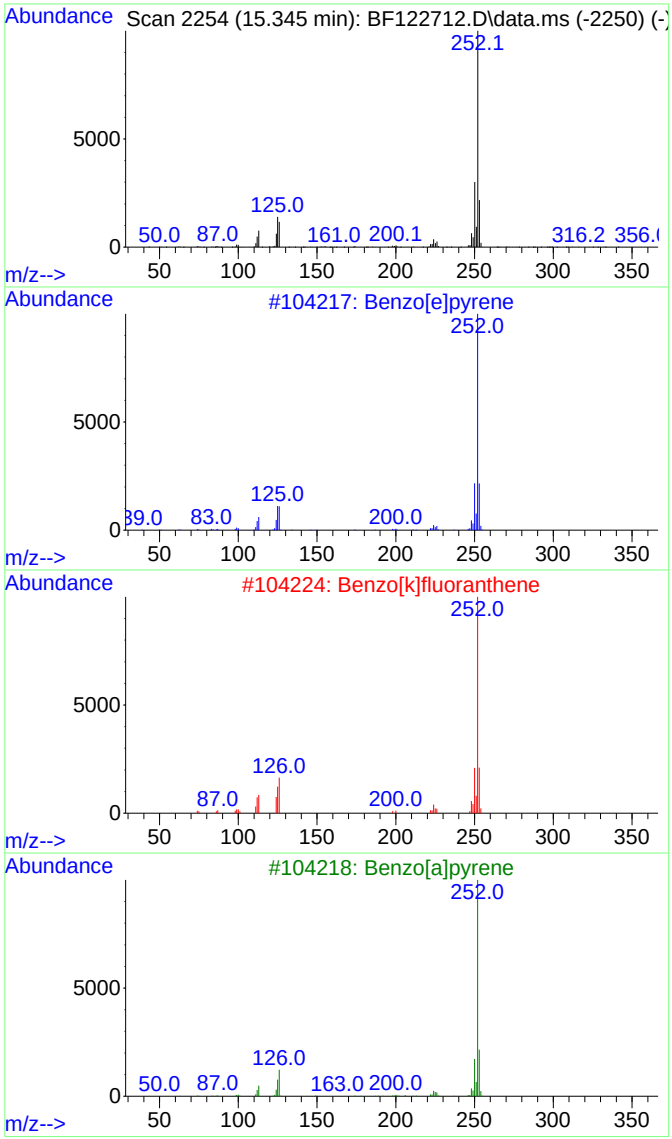
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

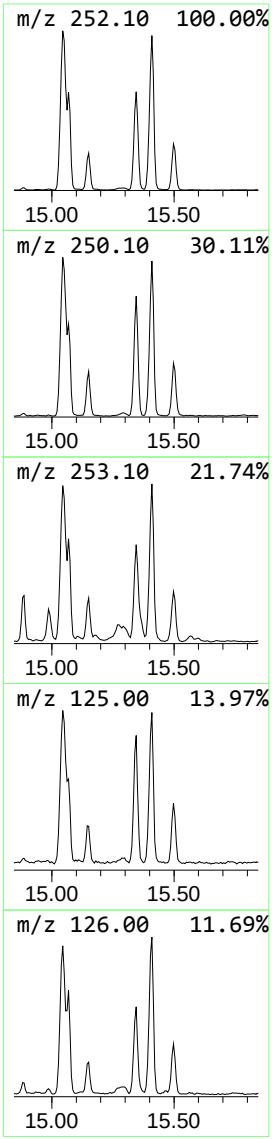
****

Peak Number 19 Perylene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.345	22.23 ng	1228810	Perylene-d12	15.468

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	97
3	Benzo[a]pyrene	252	C20H12	000050-32-8	96
4	Perylene	252	C20H12	000198-55-0	96
5	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	94





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121420\
Data File : BF122712.D
Acq On : 14 Dec 2020 18:27
Operator : JU/CG
Sample : L5048-01 2X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OR-02-121120

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF120520.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

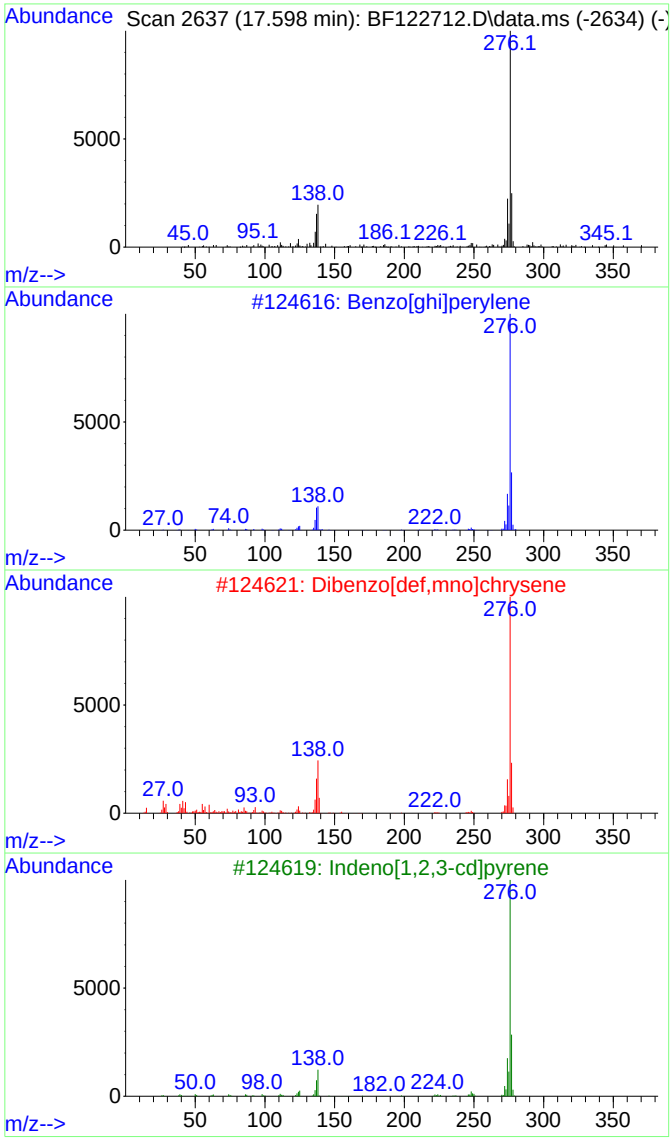
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

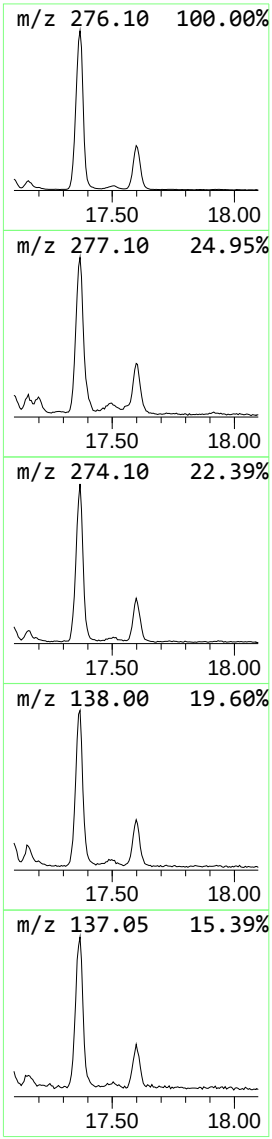
****

Peak Number 20 Dibenzo[def,mno]chrysene Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.598	4.21 ng	232637	Perylene-d12	15.468

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[ghi]perylene	276	C22H12	000191-24-2	94
2	Dibenzo[def,mno]chrysene	276	C22H12	000191-26-4	94
3	Indeno[1,2,3-cd]pyrene	276	C22H12	000193-39-5	89
4	Indeno[1,2,3-cd]fluoranthene	276	C22H12	000193-43-1	72
5	Phenol, 2-(4-chlorophenyliminome...	276	C13H9ClN2O3	1000262-90-3	59





Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121420\
Data File : BF122712.D
Acq On : 14 Dec 2020 18:27
Operator : JU/CG
Sample : L5048-01 2X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OR-02-121120

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF120520.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
3-Penten-2-one,...	4.416	16.1	ng	739104	1	6.834	916732	20.0
2-Pentanone, 4-...	5.040	16.3	ng	747050	1	6.834	916732	20.0
9H-Fluorene, 2-...	10.969	2.9	ng	224572	4	11.363	1530260	20.0
Dibenzothiophene	11.257	4.8	ng	364485	4	11.363	1530260	20.0
Anthracene, 9-m...	11.863	7.6	ng	581736	4	11.363	1530260	20.0
Phenanthrene, 2...	11.892	9.1	ng	692611	4	11.363	1530260	20.0
1H-Cyclopropa[l...	11.939	3.9	ng	300697	4	11.363	1530260	20.0
4H-Cyclopenta[d...	11.974	14.4	ng	1098610	4	11.363	1530260	20.0
Phenanthrene, 1...	11.998	4.5	ng	341956	4	11.363	1530260	20.0
Naphthalene, 2-...	12.157	5.6	ng	429101	4	11.363	1530260	20.0
9,10-Anthracene...	12.186	2.9	ng	220628	4	11.363	1530260	20.0
Phenanthrene, 2...	12.410	5.0	ng	382973	4	11.363	1530260	20.0
unknown12.451	12.451	3.6	ng	276818	4	11.363	1530260	20.0
Cyclopenta(def)...	12.498	3.9	ng	298204	4	11.363	1530260	20.0
Fluoranthene, 2...	13.021	2.9	ng	495945	5	14.004	3410280	20.0
11H-Benzo[b]flu...	13.133	3.6	ng	623212	5	14.004	3410280	20.0
Pyrene, 1-methyl-	13.198	3.6	ng	607690	5	14.004	3410280	20.0
Benzo[e]pyrene	15.151	6.3	ng	348672	6	15.468	1105680	20.0
Perylene	15.345	22.2	ng	1228810	6	15.468	1105680	20.0
Dibenzo[def,mno...	17.598	4.2	ng	232637	6	15.468	1105680	20.0