LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF060420\
Data File : BF120550.D
Acq On : 4 Jun 2020 23:01
Operator : JU/CG
Sample : L2814-07 5X
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PL-01-060320

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-BF052820.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.952	8	11	26	rBV	1238535	1895754	61.38%	4.813%
2	2.063	26	30	49	rVB	316998	547234	17.72%	1.389%
3	5.440	601	604	613	rBV	643369	587893	19.03%	1.493%
4	6.457	773	777	783	rBV	818625	683671	22.14%	1.736%
5	6.828	836	840	843	rBV	1218030	973920	31.53%	2.473%
6	6.981	862	866	870	rBV	550661	425309	13.77%	1.080%
7	7.381	931	934	938	rBV	326402	281119	9.10%	0.714%
8	8.110	1052	1058	1061	rBV	1268407	1023432	33.14%	2.598%
9	8.922	1193	1196	1200	rBV2	45544	54016	1.75%	0.137%
10	9.180	1237	1240	1244	rBV	666031	598439	19.38%	1.519%
11	9.269	1251	1255	1260	rBV2	85626	99012	3.21%	0.251%
12	9.445	1282	1285	1290	rVB3	42056	60565	1.96%	0.154%
13	9.522	1296	1298	1301	rBV	64693	58107	1.88%	0.148%
14	9.580	1305	1308	1311	rBV2	148310	168906	5.47%	0.429%
15	9.645	1316	1319	1323	rVB2	56299	61865	2.00%	0.157%
16	9.727	1330	1333	1337	rBV	122850	110885	3.59%	0.282%
17	9.798	1342	1345	1350	rVV	138580	144492	4.68%	0.367%
18	9.869	1353	1357	1360	rVV	1499612	1359044	44.00%	3.450%
19	9.898	1360	1362	1365	rVV	215816	184583	5.98%	0.469%
20	9.933	1365	1368	1371	rVB3	44845	50575	1.64%	0.128%
21	9.975	1371	1375	1379	rBV2	42296	58230	1.89%	0.148%
22	10.027	1379	1384	1387	rVV6	33463	61420	1.99%	0.156%
23	10.069	1387	1391	1395	rVV	227221	224903	7.28%	0.571%
24	10.110	1395	1398	1403	rVV3	72400	100925	3.27%	0.256%
25	10.180	1407	1410	1413	rBV2	72065	81116	2.63%	0.206%
26	10.298	1427	1430	1432	rVB2	132638	109748	3.55%	0.279%
27	10.416	1446	1450	1456	rBV	288072	293849	9.51%	0.746%
28	10.480	1456	1461	1462	rVV	49155	61089	1.98%	0.155%
29	10.504	1462	1465	1466	rVV3	58629	64481	2.09%	0.164%
30	10.522	1466	1468	1473	rVV3	97767	119327	3.86%	0.303%
31	10.569	1473	1476	1480	rVB2	102235	96331	3.12%	0.245%
32	10.651	1485	1490	1494	rVV	539365	491493	15.91%	1.248%
33	10.774	1507	1511	1516	rBV3	149549	230850	7.47%	0.586%
34	10.963	1538	1543	1545	rBV2	112614	122689	3.97%	0.311%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF060420\
Data File : BF120550.D
Acq On : 4 Jun 2020 23:01
Operator : JU/CG
Sample : L2814-07 5X
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PL-01-060320

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-BF052820.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	10.992	1545	1548	1551	rVV2	79220	90794	2.94%	0.231%
36	11.045	1555	1557	1560	rVV	60441	50856	1.65%	0.129%
37	11.092	1560	1565	1567	rVV3	59155	87585	2.84%	0.222%
38	11.116	1567	1569	1571	rVV	76676	70164	2.27%	0.178%
39	11.157	1573	1576	1580	rVV	171463	151777	4.91%	0.385%
40	11.204	1580	1584	1585	rVV	56937	68897	2.23%	0.175%
41	11.222	1585	1587	1589	rVV	138782	122373	3.96%	0.311%
42	11.251	1589	1592	1597	rVB	247806	239285	7.75%	0.608%
43	11.357	1606	1610	1612	rBV	1323807	1334226	43.20%	3.387%
44	11.380	1612	1614	1617	rVV	2277861	1702940	55.14%	4.324%
45	11.427	1620	1622	1625	rVB	627786	531030	17.19%	1.348%
46	11.463	1625	1628	1631	rBV2	55857	61248	1.98%	0.156%
47	11.586	1646	1649	1652	rVV	104232	102423	3.32%	0.260%
48	11.651	1657	1660	1662	rVV	157892	146841	4.75%	0.373%
49	11.686	1663	1666	1670	rVB2	99439	110332	3.57%	0.280%
50	11.745	1673	1676	1679	rVV	237590	217607	7.05%	0.552%
51	11.857	1692	1695	1697	rVV	381730	311339	10.08%	0.790%
52	11.886	1697	1700	1703	rVB	495029	417438	13.52%	1.060%
53	11.933	1705	1708	1711	rBV	165186	156936	5.08%	0.398%
54	11.969	1711	1714	1716	rVV	600661	580599	18.80%	1.474%
55	11.992	1716	1718	1722	rVB	281143	210448	6.81%	0.534%
56	12.057	1726	1729	1732	rVB	106245	94031	3.04%	0.239%
57	12.151	1742	1745	1747	rVV	216727	161769	5.24%	0.411%
58	12.174	1747	1749	1753	rVB2	169908	141633	4.59%	0.360%
59	12.304	1769	1771	1773	rVB	88148	68897	2.23%	0.175%
60	12.333	1773	1776	1778	rBV	113976	95136	3.08%	0.242%
61	12.357	1778	1780	1782	rVB	91031	68370	2.21%	0.174%
62	12.410	1783	1789	1791	rBV	278707	350471	11.35%	0.890%
63	12.433	1791	1793	1795	rVV2	992704	968818	31.37%	2.460%
64	12.457	1795	1797	1801	rVV	1799335	1510866	48.92%	3.836%
65	12.492	1801	1803	1808	rVB2	213621	224849	7.28%	0.571%
66	12.539	1808	1811	1813	rBV2	149318	145419	4.71%	0.369%
67	12.574	1813	1817	1820	rVV	2889799	2617576	84.75%	6.646%
68	12.633	1825	1827	1830	rVV2	83657	70762	2.29%	0.180%
69	12.721	1840	1842	1845	rVB	99316	87357	2.83%	0.222%
70	12.804	1849	1856	1861	rBV	2679497	3088504	100.00%	7.841%
71	12.851	1861	1864	1868	rVB2	120935	163570	5.30%	0.415%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF060420\
Data File : BF120550.D
Acq On : 4 Jun 2020 23:01
Operator : JU/CG
Sample : L2814-07 5X
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PL-01-060320

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-BF052820.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	12.916	1872	1875	1877	rBV	168687	184916	5.99%	0.469%
73	12.939	1877	1879	1887	rVB	861630	782899	25.35%	1.988%
74	13.021	1887	1893	1896	rBV3	239806	395900	12.82%	1.005%
75	13.104	1904	1907	1908	rBV3	185854	187535	6.07%	0.476%
76	13.127	1908	1911	1914	rVB2	450720	428235	13.87%	1.087%
77	13.192	1920	1922	1925	rVB	353136	275777	8.93%	0.700%
78	13.233	1925	1929	1932	rBV2	330431	369562	11.97%	0.938%
79	13.321	1942	1944	1947	rVB	208385	168342	5.45%	0.427%
80	13.357	1947	1950	1953	rBV	200022	201721	6.53%	0.512%
81	13.633	1994	1997	2002	rVB	172570	175714	5.69%	0.446%
82	13.745	2012	2016	2019	rBV2	179194	243516	7.88%	0.618%
83	13.774	2019	2021	2023	rVV	190786	158996	5.15%	0.404%
84	13.798	2023	2025	2029	rVV2	158841	214300	6.94%	0.544%
85	13.845	2030	2033	2038	rVB2	178543	212377	6.88%	0.539%
86	13.992	2054	2058	2062	rBV2	1347681	1990692	64.45%	5.054%
87	14.027	2062	2064	2069	rVB	908144	774255	25.07%	1.966%
88	14.104	2075	2077	2080	rBV	174314	128313	4.15%	0.326%
89	14.139	2081	2083	2085	rBV	70299	63882	2.07%	0.162%
90	14.386	2122	2125	2128	rVB	206239	182439	5.91%	0.463%
91	14.415	2128	2130	2134	rVB	99311	84050	2.72%	0.213%
92	14.510	2144	2146	2148	rBV	101790	80787	2.62%	0.205%
93	15.039	2231	2236	2238	rBV	657731	976569	31.62%	2.479%
94	15.139	2251	2253	2257	rVB	148965	141164	4.57%	0.358%
95	15.333	2283	2286	2292	rVB	380375	491102	15.90%	1.247%
96	15.398	2293	2297	2303	rVV	577475	715089	23.15%	1.816%
97	15.457	2303	2307	2310	rVV	511408	641275	20.76%	1.628%
98	15.486	2310	2312	2318	rVB2	201373	248329	8.04%	0.630%
99	16.909	2549	2554	2564	rVB2	231968	451128	14.61%	1.145%
100	17.345	2625	2628	2638	rVB	163384	310465	10.05%	0.788%

Sum of corrected areas: 39387767

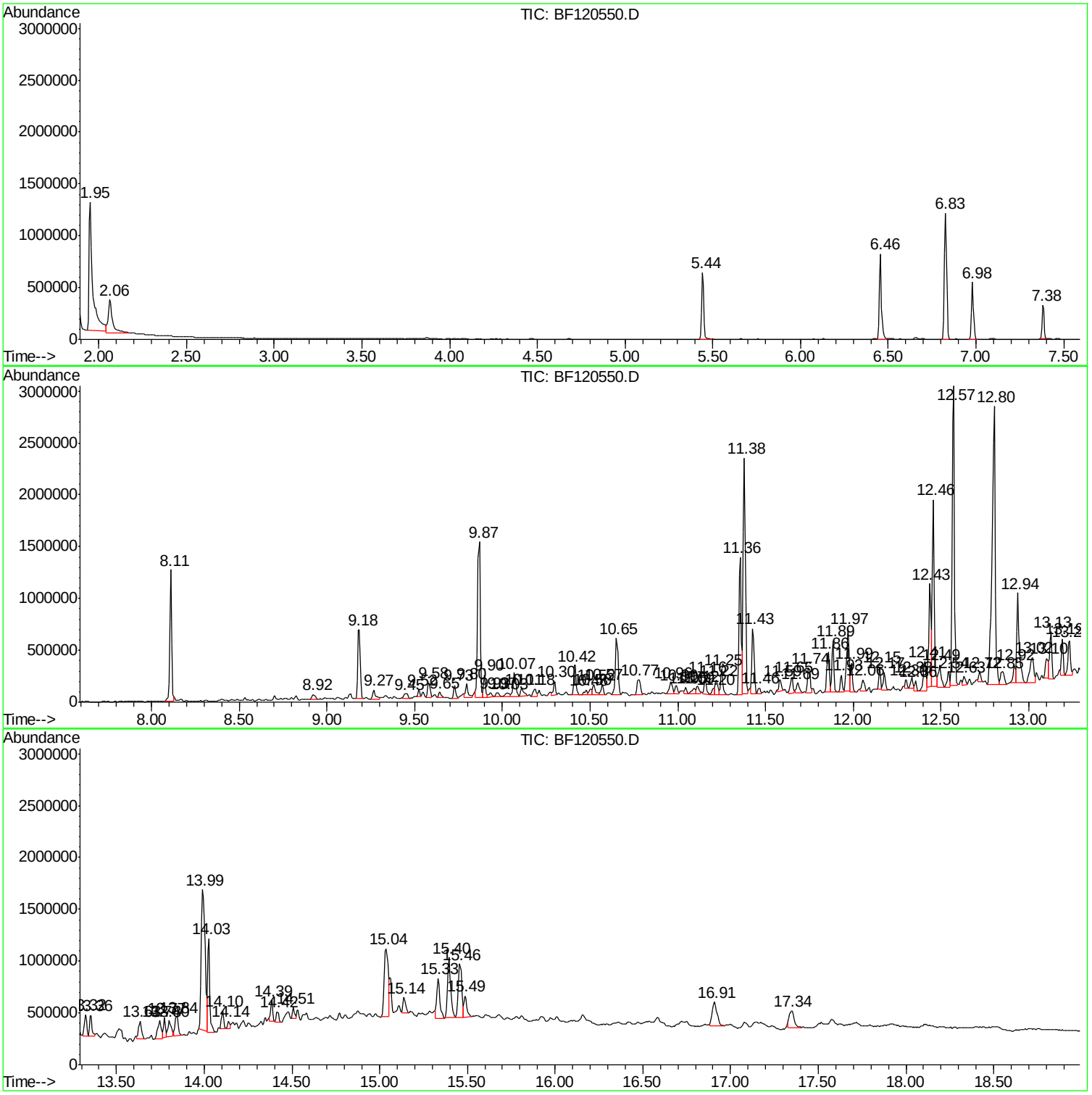
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF060420\
Data File : BF120550.D
Acq On : 4 Jun 2020 23:01
Operator : JU/CG
Sample : L2814-07 5X
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PL-01-060320

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF052820.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF060420\
Data File : BF120550.D
Acq On : 4 Jun 2020 23:01
Operator : JU/CG
Sample : L2814-07 5X
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PL-01-060320

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF052820.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

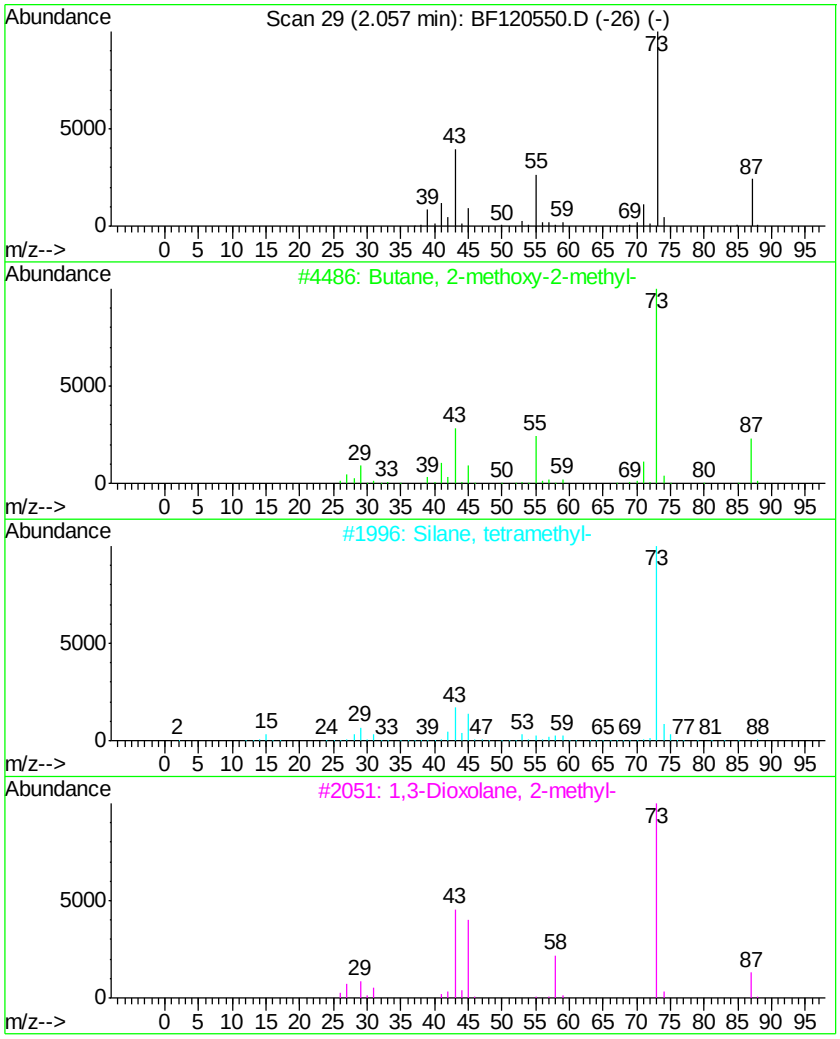
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

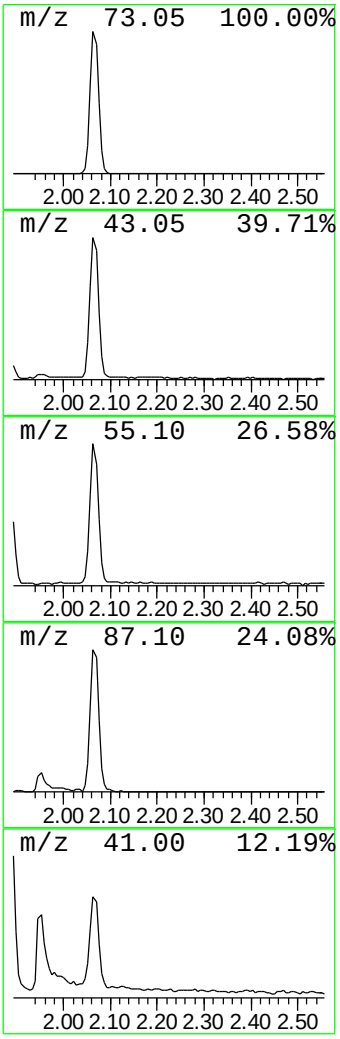
****

Peak Number 2 Butane, 2-methoxy-2-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.06	11.24 ng	547234	1,4-Dichlorobenzene-d4	6.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	83
2	Silane, tetramethyl-	88	C4H12Si	000075-76-3	27
3	1,3-Dioxolane, 2-methyl-	88	C4H8O2	000497-26-7	25
4	Pentane, 3-methoxy-	102	C6H14O	036839-67-5	17
5	Acetamide, N-ethyl-	87	C4H9NO	000625-50-3	9





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF060420\
Data File : BF120550.D
Acq On : 4 Jun 2020 23:01
Operator : JU/CG
Sample : L2814-07 5X
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PL-01-060320

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF052820.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

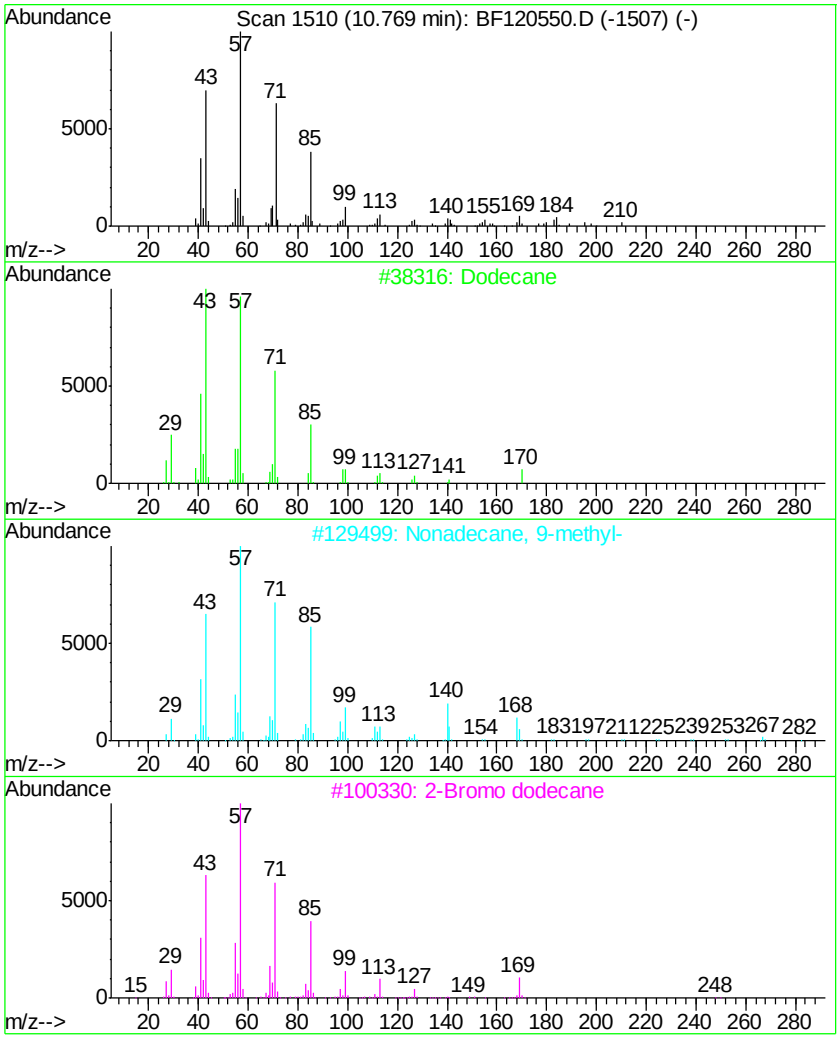
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

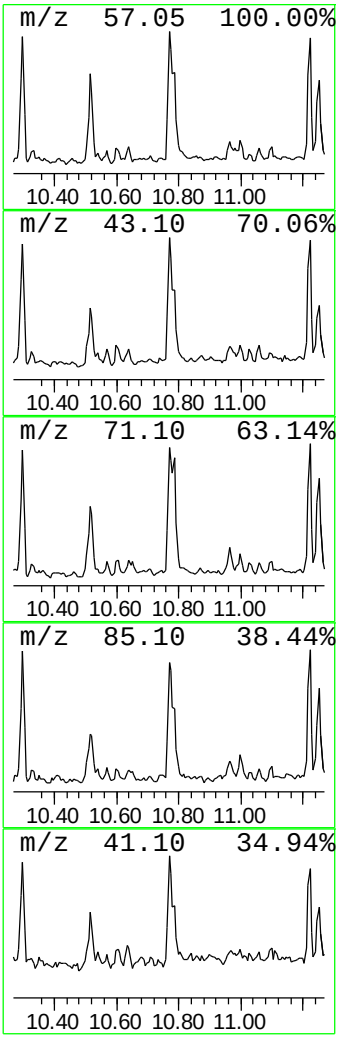
****

Peak Number 4 Dodecane Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.77	3.46 ng	230850	Phenanthrene-d10	11.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dodecane	170	C12H26	000112-40-3	83
2	Nonadecane, 9-methyl-	282	C20H42	013287-24-6	74
3	2-Bromo dodecane	248	C12H25Br	013187-99-0	62
4	Tetradecane	198	C14H30	000629-59-4	60
5	Heptadecane, 2,6,10,15-tetramethyl-	296	C21H44	054833-48-6	58





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF060420\
Data File : BF120550.D
Acq On : 4 Jun 2020 23:01
Operator : JU/CG
Sample : L2814-07 5X
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PL-01-060320

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF052820.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

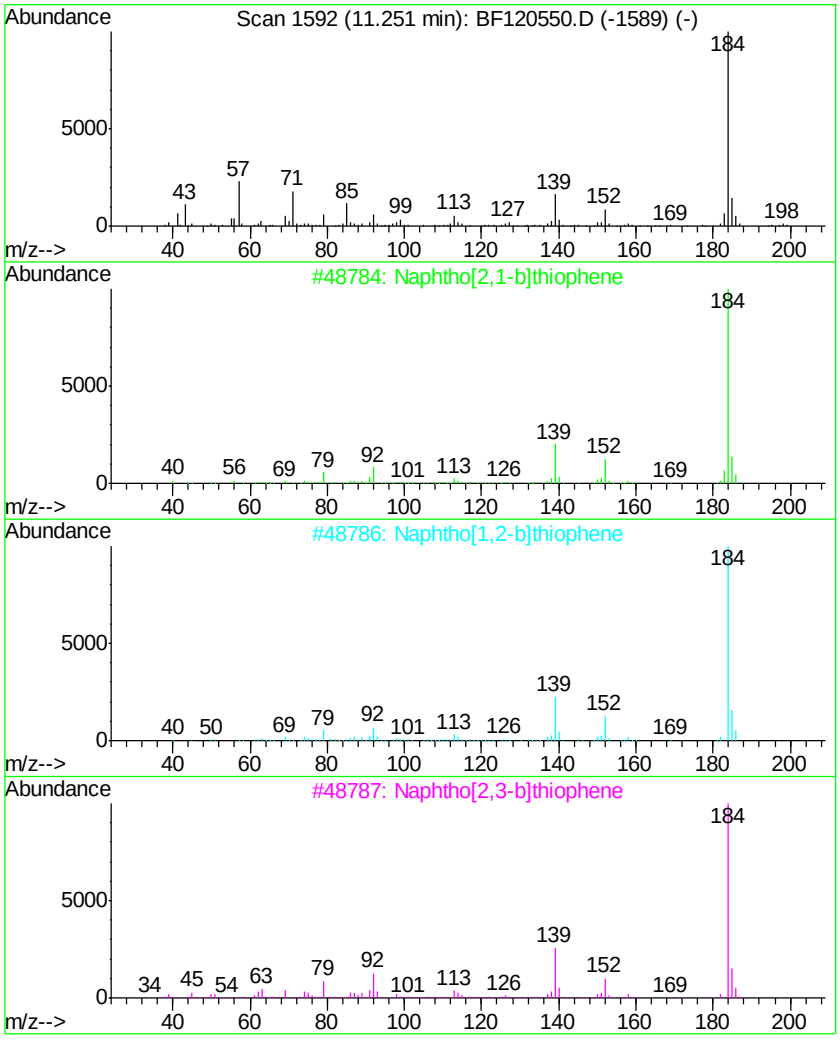
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

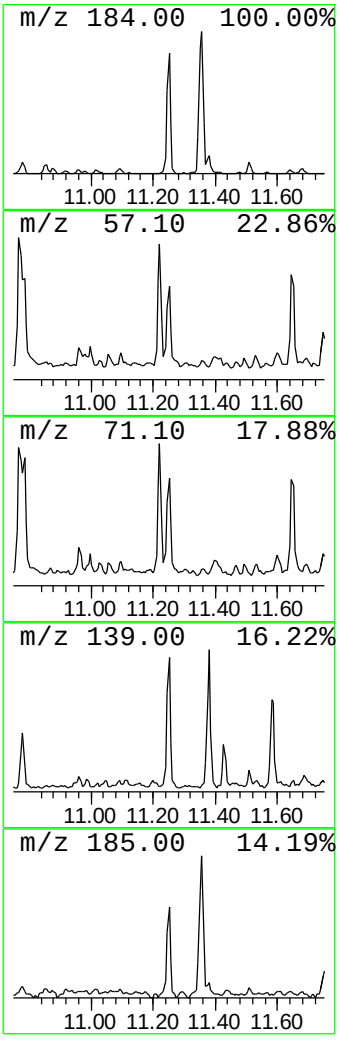
****

Peak Number 5 Naphtho[2,1-b]thiophene Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.25	3.59 ng	239285	Phenanthrene-d10	11.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	95
2	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	93
3	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	90
4	Dibenzothiophene	184	C12H8S	000132-65-0	87
5	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	83





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF060420\
Data File : BF120550.D
Acq On : 4 Jun 2020 23:01
Operator : JU/CG
Sample : L2814-07 5X
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PL-01-060320

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF052820.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

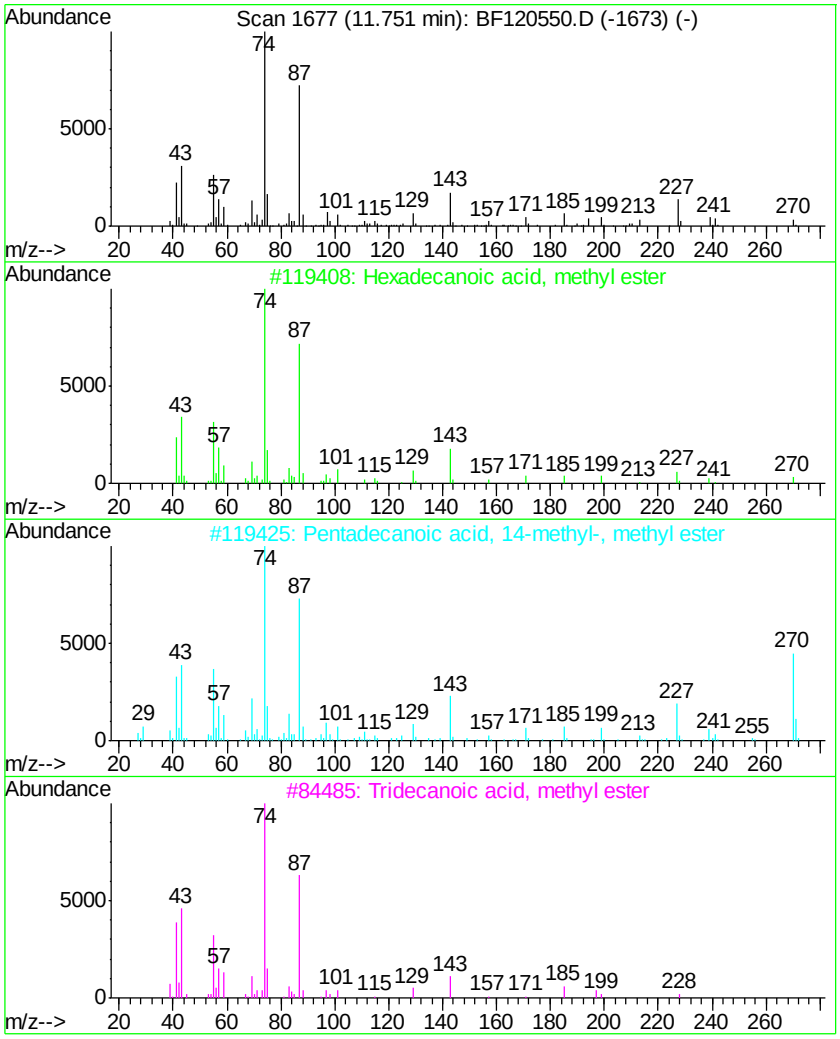
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

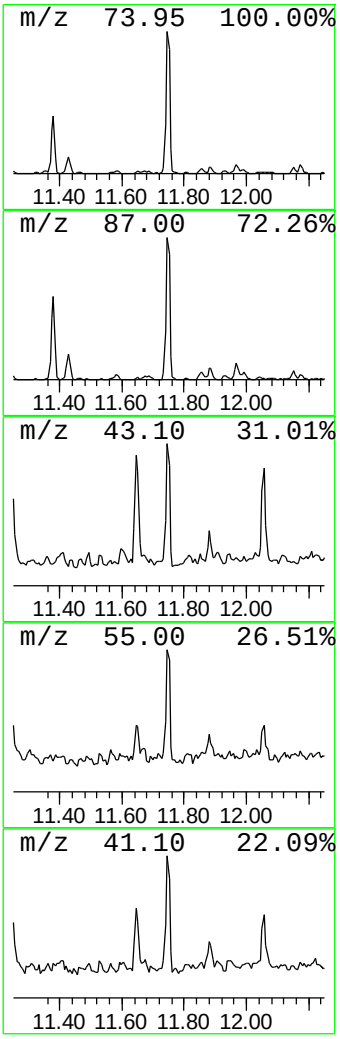
****

Peak Number 6 Hexadecanoic acid, methyl e... Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.75	3.26 ng	217607	Phenanthrene-d10	11.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecanoic acid, methyl ester	270	C17H34O2	000112-39-0	98
2	Pentadecanoic acid, 14-methyl-, ...	270	C17H34O2	005129-60-2	96
3	Tridecanoic acid, methyl ester	228	C14H28O2	001731-88-0	94
4	Pentadecanoic acid, methyl ester	256	C16H32O2	007132-64-1	80
5	Methyl tetradecanoate	242	C15H30O2	000124-10-7	72





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF060420\
Data File : BF120550.D
Acq On : 4 Jun 2020 23:01
Operator : JU/CG
Sample : L2814-07 5X
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PL-01-060320

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF052820.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

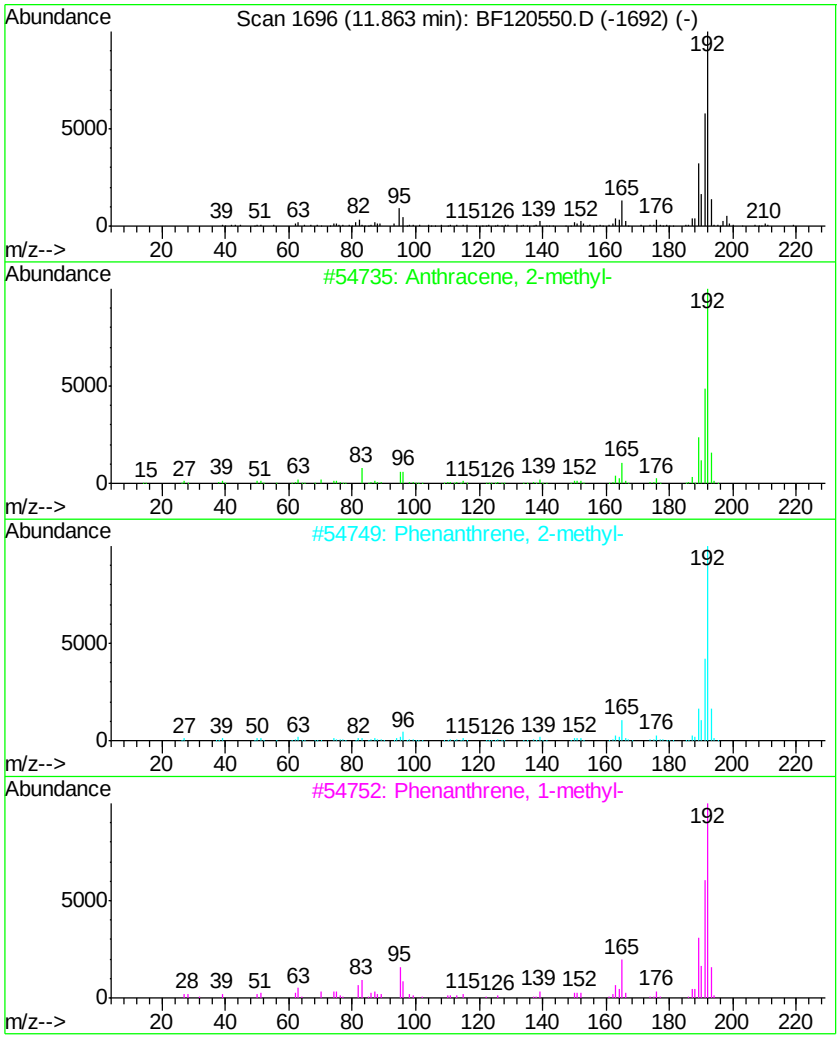
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

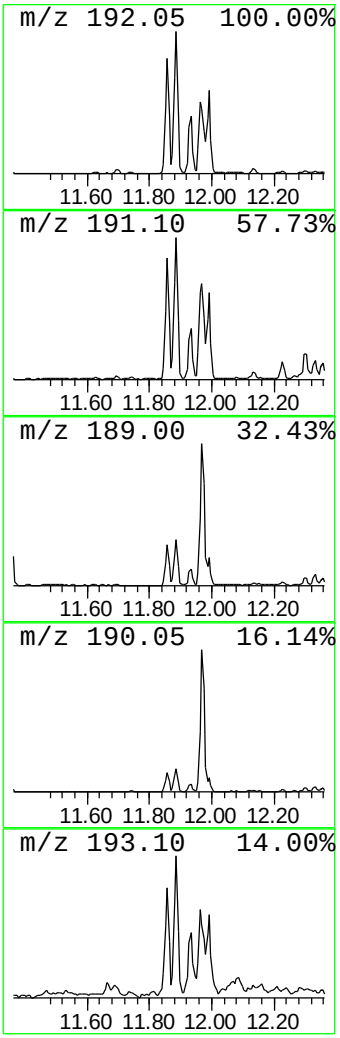
****

Peak Number 7 Anthracene, 2-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.86	4.67 ng	311339	Phenanthrene-d10	11.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	94
5	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	94





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF060420\
Data File : BF120550.D
Acq On : 4 Jun 2020 23:01
Operator : JU/CG
Sample : L2814-07 5X
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PL-01-060320

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF052820.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

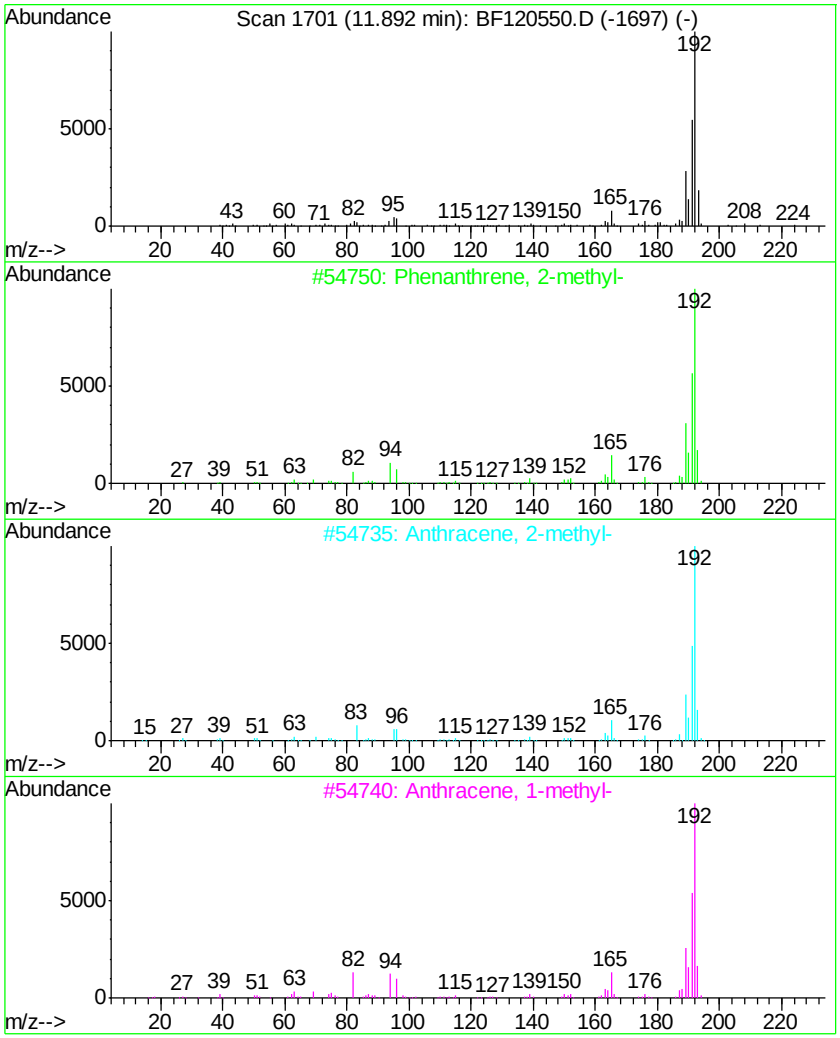
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

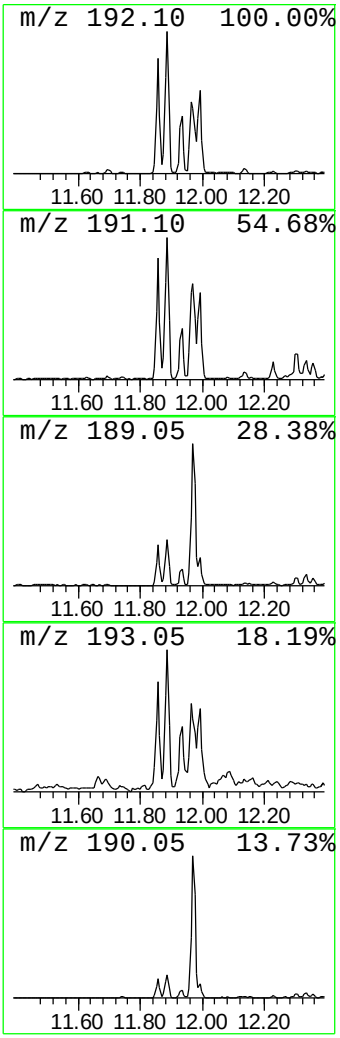
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.89	6.26 ng	417438	Phenanthrene-d10	11.36

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	Anthracene, 1-methyl-	192	C15H12	000610-48-0	95
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
5	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	95





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF060420\
Data File : BF120550.D
Acq On : 4 Jun 2020 23:01
Operator : JU/CG
Sample : L2814-07 5X
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PL-01-060320

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF052820.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

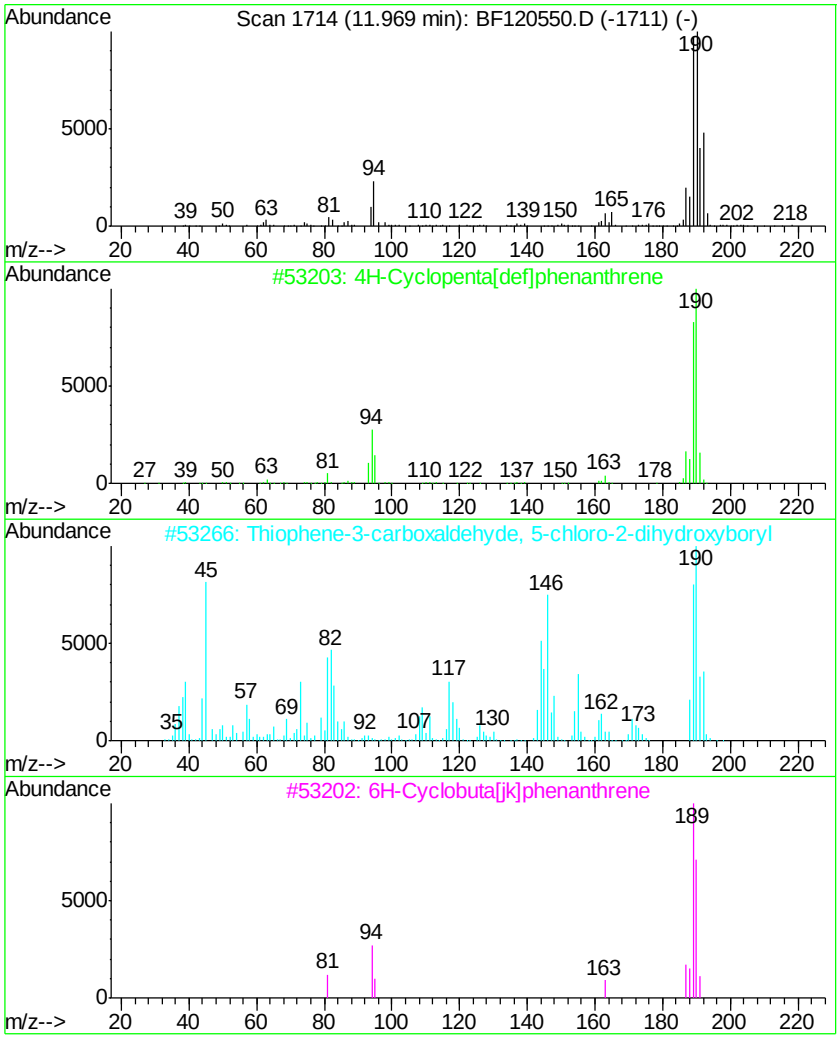
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

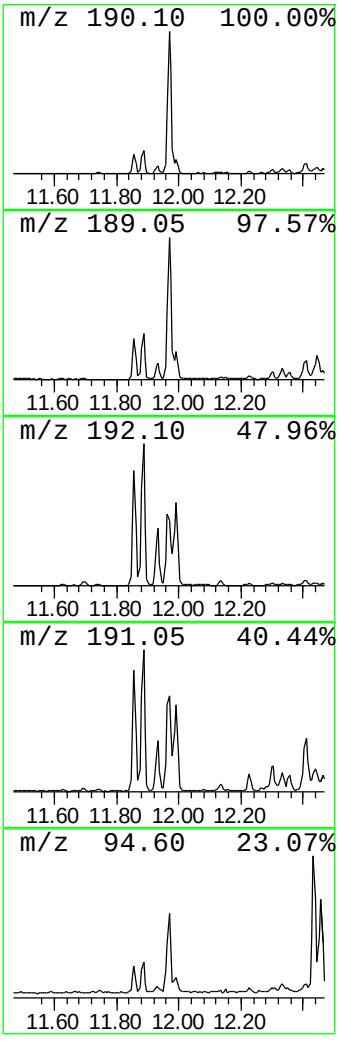
****

Peak Number 9 4H-Cyclopenta[def]phenanthrene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.97	8.70 ng	580599	Phenanthrene-d10	11.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	76
2	Thiophene-3-carboxaldehyde, 5-ch...	190	C5H4BClO3S	036155-87-0	53
3	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	53
4	Carbonic acid, ethyl 2-formyl-4,...	262	C10H8Cl2O4	1000331-34-4	50
5	2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	43





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF060420\
Data File : BF120550.D
Acq On : 4 Jun 2020 23:01
Operator : JU/CG
Sample : L2814-07 5X
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PL-01-060320

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF052820.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

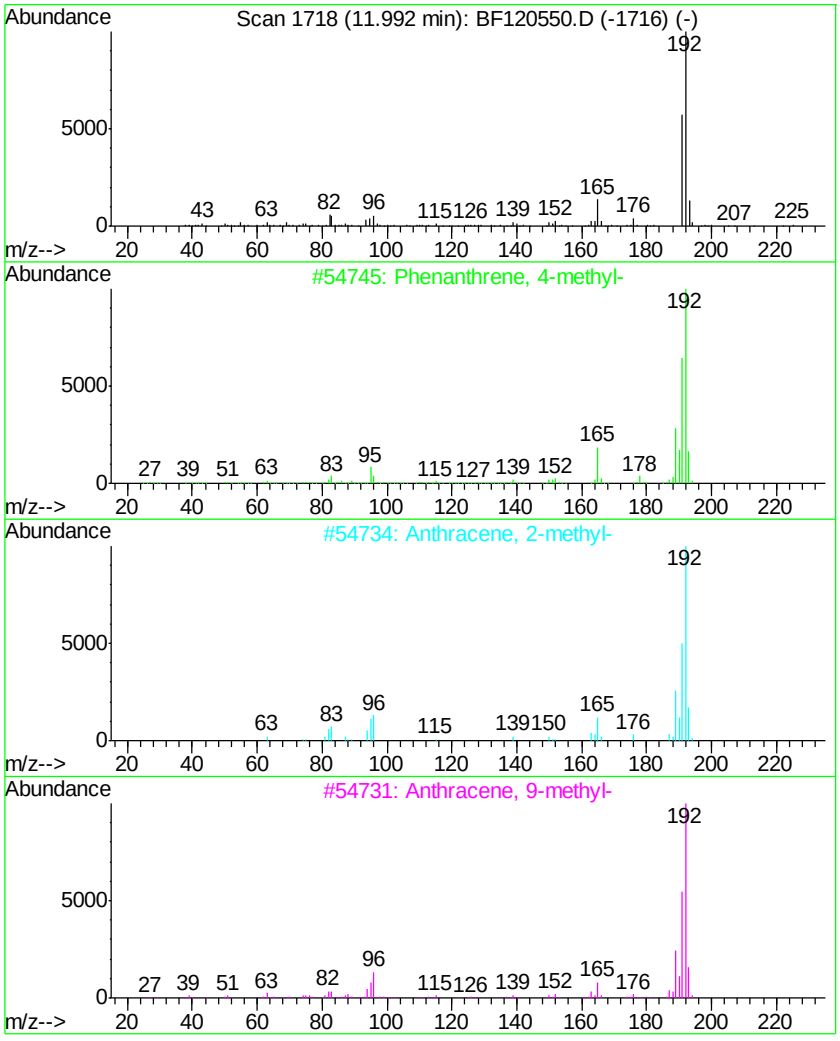
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

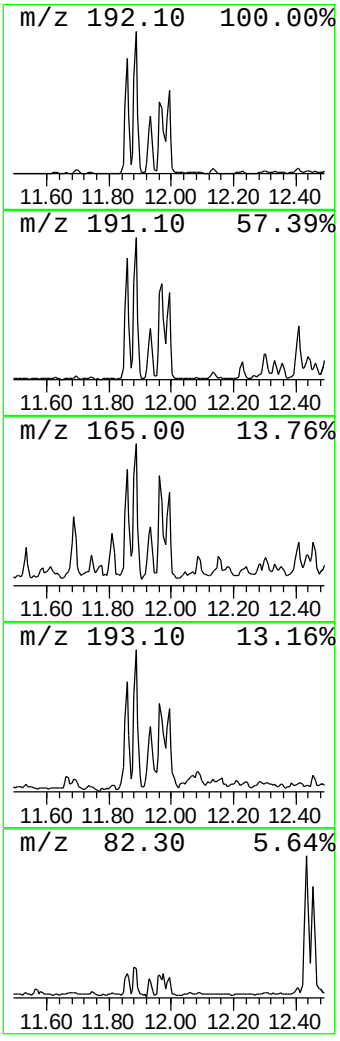
****

Peak Number 10 Phenanthrene, 4-methyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.99	3.15 ng	210448	Phenanthrene-d10	11.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	93
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	91
3	Anthracene, 9-methyl-	192	C15H12	000779-02-2	91
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	90
5	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	90





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF060420\
Data File : BF120550.D
Acq On : 4 Jun 2020 23:01
Operator : JU/CG
Sample : L2814-07 5X
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PL-01-060320

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF052820.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

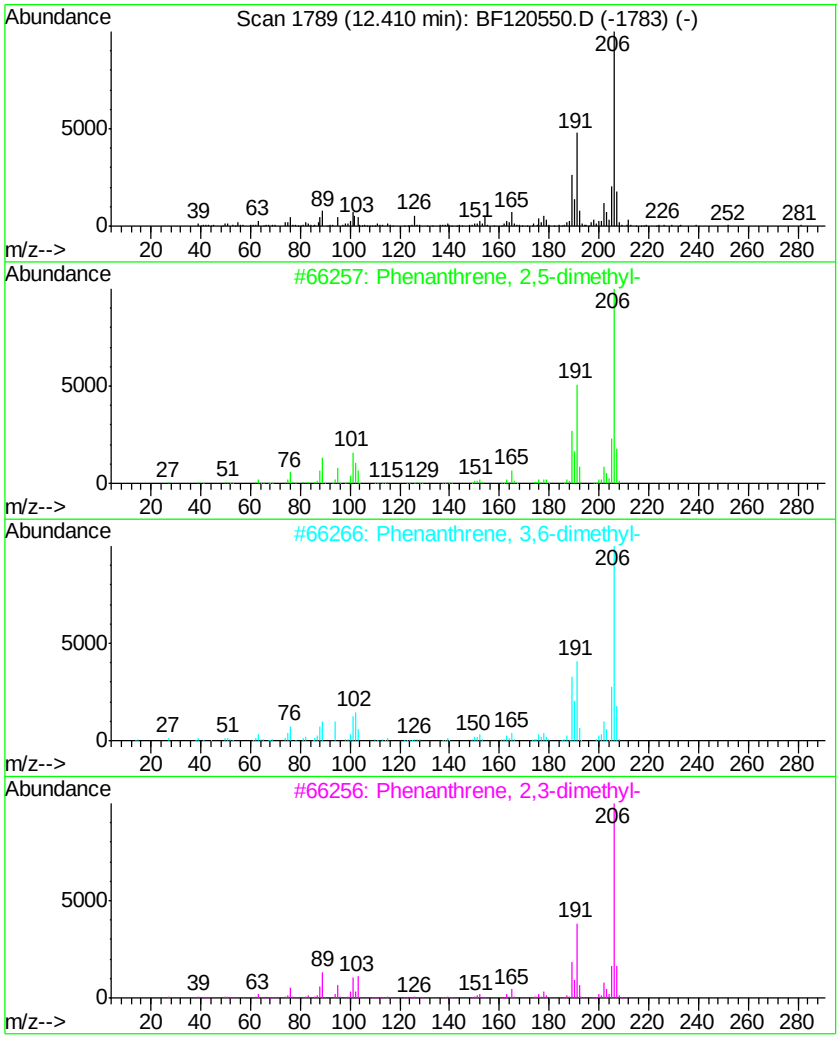
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

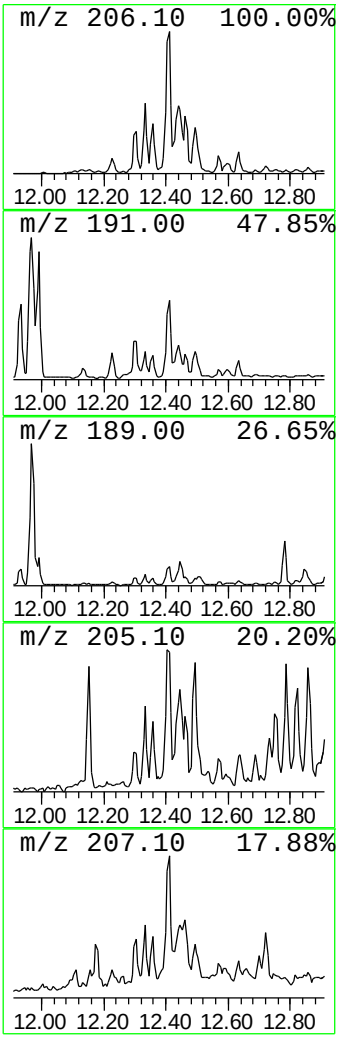
****

Peak Number 11 Phenanthrene, 2,5-dimethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.41	5.25 ng	350471	Phenanthrene-d10	11.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	96
2	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	93
3	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	93
4	9,10-Dimethylanthracene	206	C16H14	000781-43-1	91
5	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	89





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF060420\
Data File : BF120550.D
Acq On : 4 Jun 2020 23:01
Operator : JU/CG
Sample : L2814-07 5X
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PL-01-060320

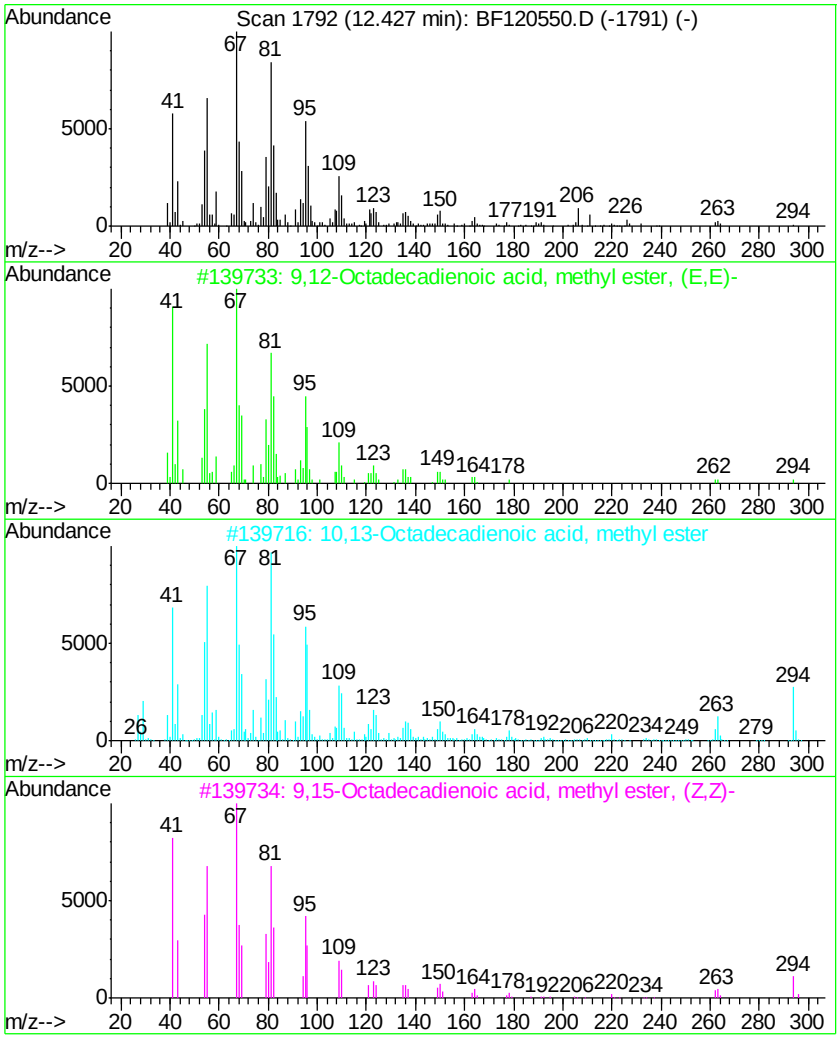
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF052820.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

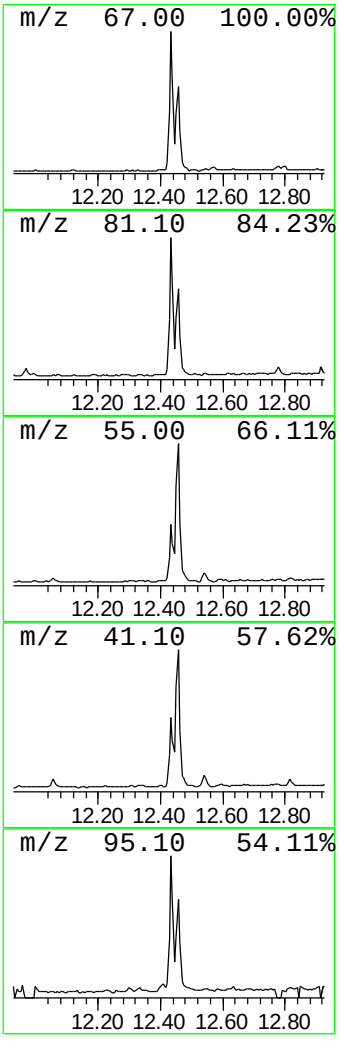
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 12 9,12-Octadecadienoic acid, ... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.43	14.52 ng	968818	Phenanthrene-d10	11.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,12-Octadecadienoic acid, methy...	294	C19H34O2	002566-97-4	99
2	10,13-Octadecadienoic acid, meth...	294	C19H34O2	056554-62-2	99
3	9,15-Octadecadienoic acid, methy...	294	C19H34O2	017309-05-6	99
4	9,12-Octadecadienoic acid, methy...	294	C19H34O2	002462-85-3	99
5	9,12-Octadecadienoic acid (Z,Z)-...	294	C19H34O2	000112-63-0	99





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF060420\
Data File : BF120550.D
Acq On : 4 Jun 2020 23:01
Operator : JU/CG
Sample : L2814-07 5X
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PL-01-060320

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF052820.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

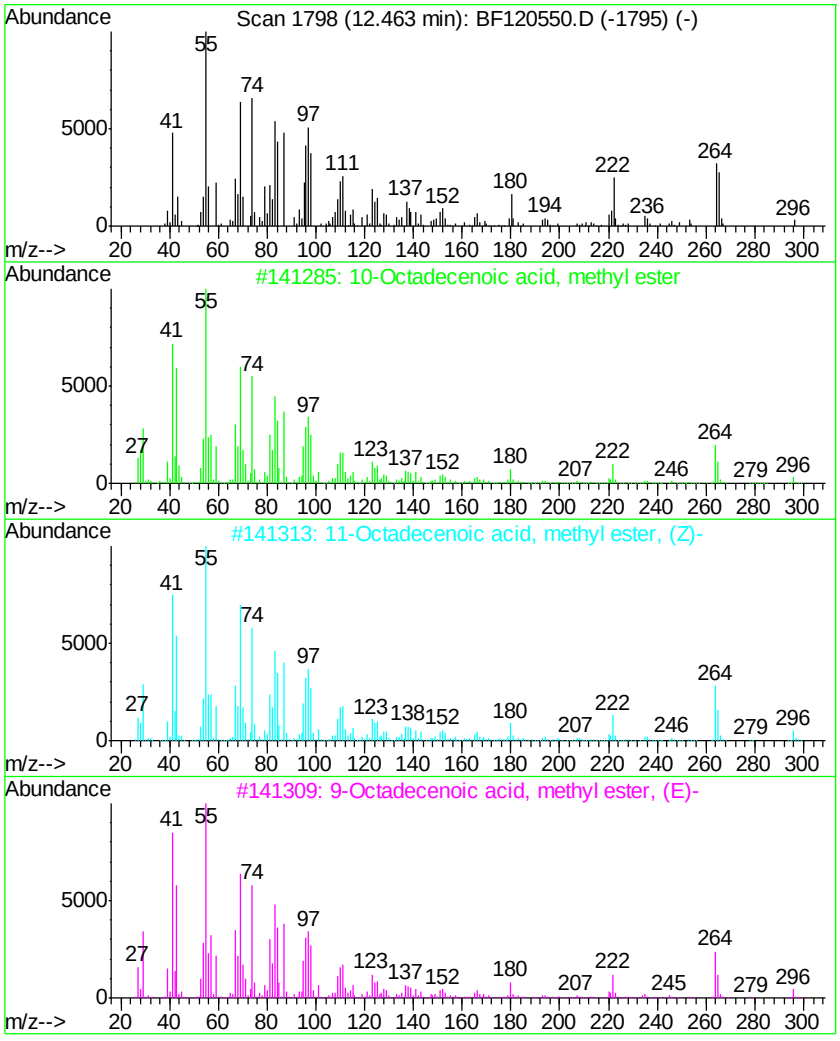
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

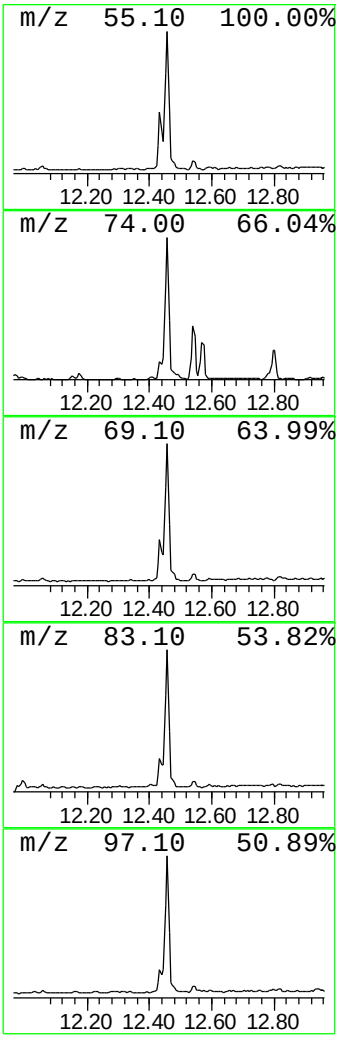
****

Peak Number 13 10-Octadecenoic acid, methy... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.46	22.65 ng	1510870	Phenanthrene-d10	11.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	10-Octadecenoic acid, methyl ester	296	C19H36O2	013481-95-3	99
2	11-Octadecenoic acid, methyl est...	296	C19H36O2	001937-63-9	99
3	9-Octadecenoic acid, methyl este...	296	C19H36O2	001937-62-8	99
4	6-Octadecenoic acid, methyl ester	296	C19H36O2	052355-31-4	99
5	15-Octadecenoic acid, methyl ester	296	C19H36O2	004764-72-1	99





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF060420\
Data File : BF120550.D
Acq On : 4 Jun 2020 23:01
Operator : JU/CG
Sample : L2814-07 5X
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PL-01-060320

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF052820.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

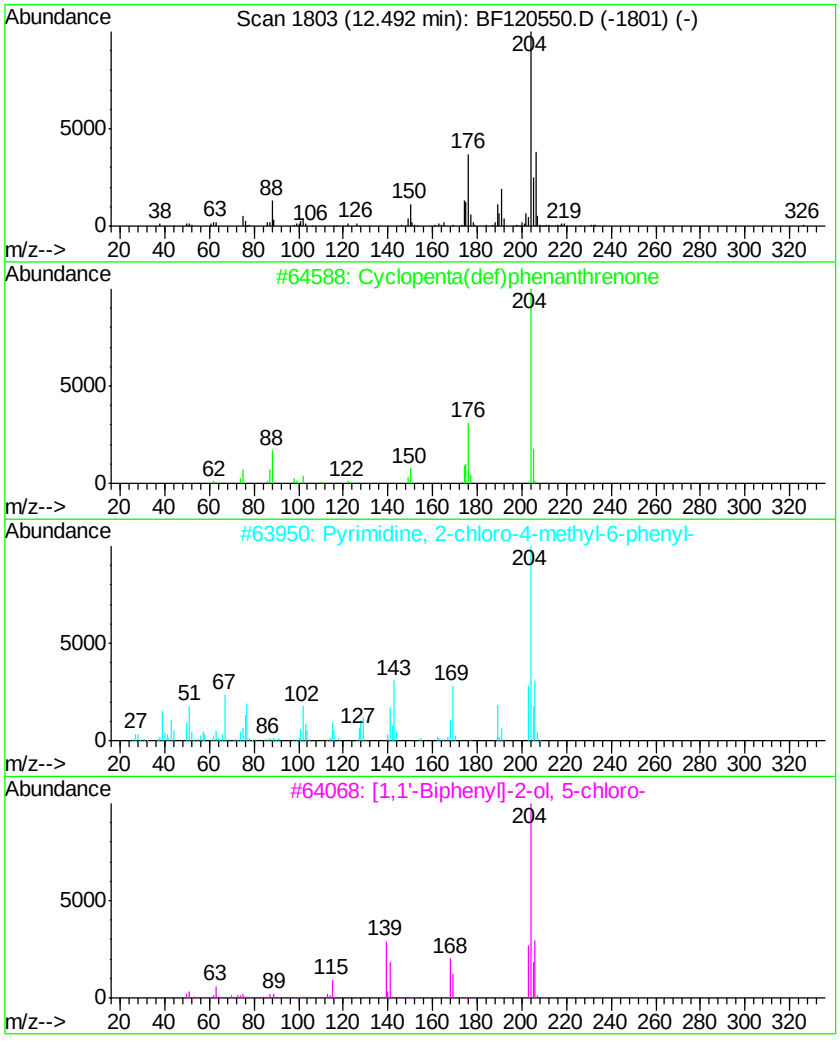
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

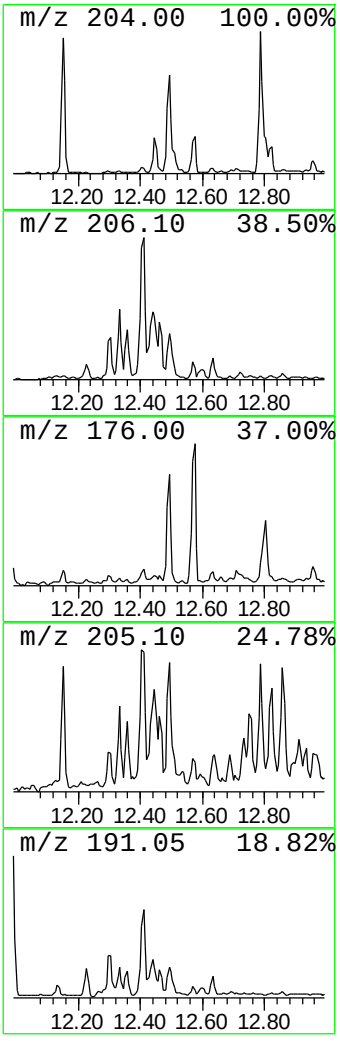
****

Peak Number 14 Cyclopenta(def)phenanthrenone Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.49	3.37 ng	224849	Phenanthrene-d10	11.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	91
2	Pyrimidine, 2-chloro-4-methyl-6-...	204	C11H9ClN2	032785-40-3	53
3	[1,1'-Biphenyl]-2-ol, 5-chloro-	204	C12H9ClO	000607-12-5	50
4	2-Chloro-4-phenylphenol	204	C12H9ClO	000092-04-6	49
5	[1,1'-Biphenyl]-4-ol, 4'-chloro-	204	C12H9ClO	028034-99-3	47





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF060420\
Data File : BF120550.D
Acq On : 4 Jun 2020 23:01
Operator : JU/CG
Sample : L2814-07 5X
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PL-01-060320

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF052820.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

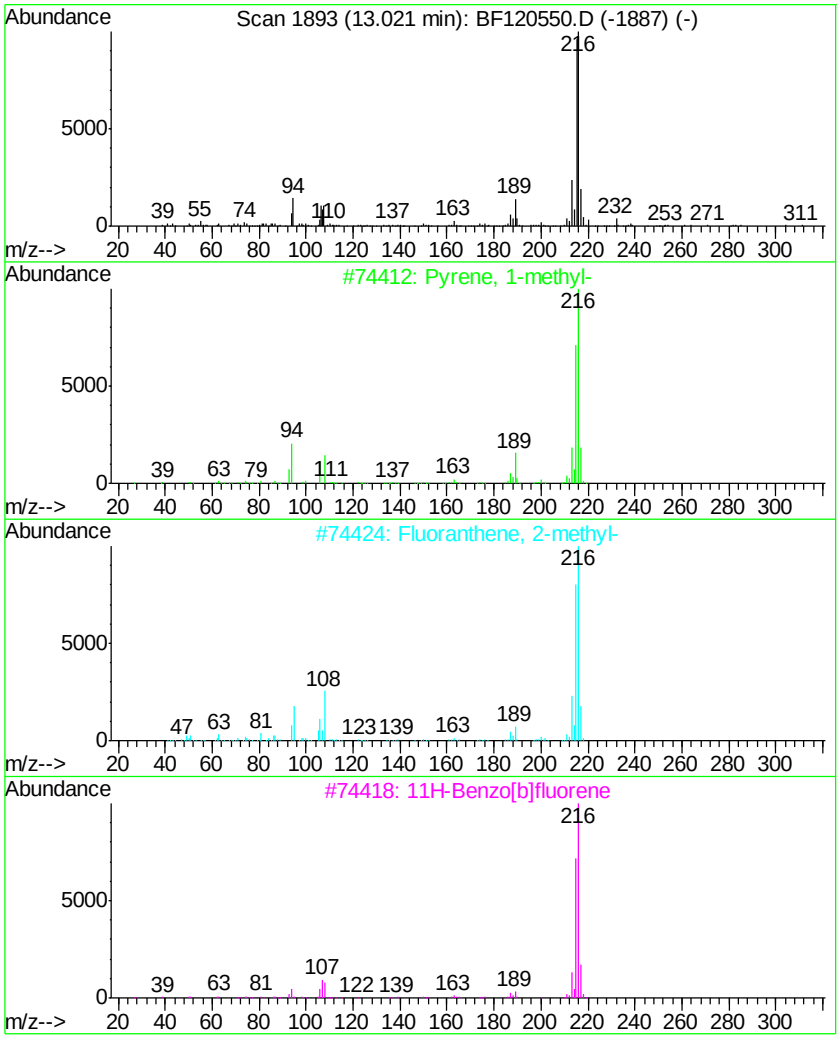
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

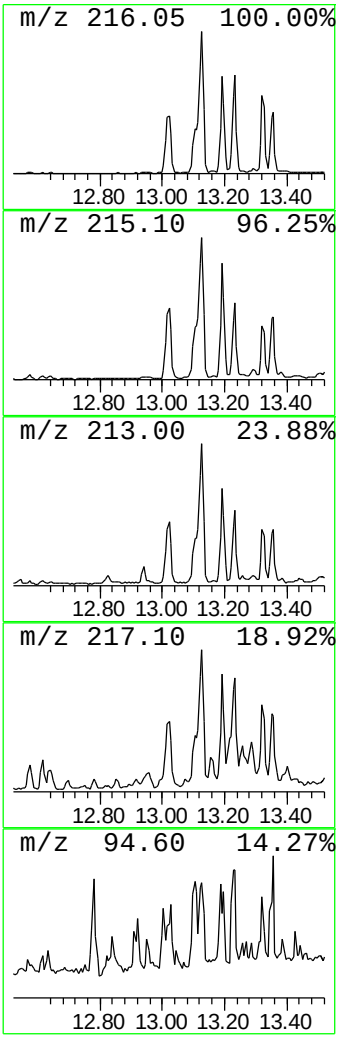
****

Peak Number 15 Pyrene, 1-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.02	3.98 ng	395900	Chrysene-d12	14.00

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	90
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	90
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	76
5	Pyrene, 2-methyl-	216	C17H12	003442-78-2	70





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF060420\
Data File : BF120550.D
Acq On : 4 Jun 2020 23:01
Operator : JU/CG
Sample : L2814-07 5X
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PL-01-060320

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF052820.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

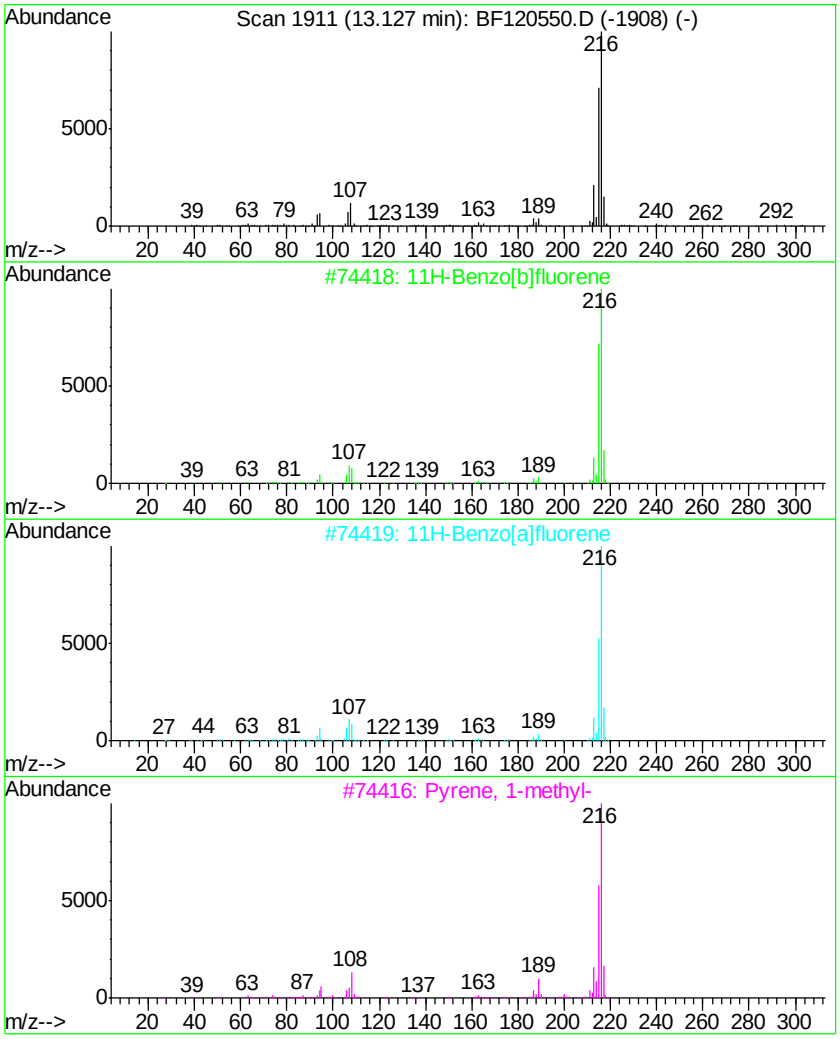
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

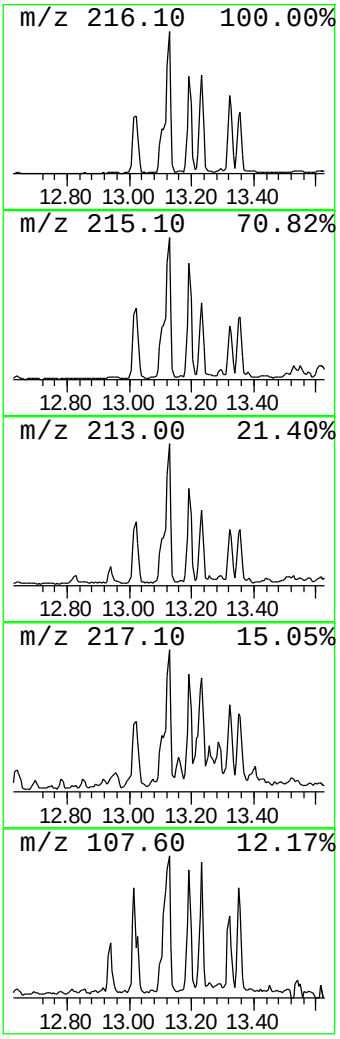
****

Peak Number 16 11H-Benzo[b]fluorene Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.13	4.30 ng	428235	Chrysene-d12	14.00

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	95
2	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	91
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	72
4	Pyrene, 2-methyl-	216	C17H12	003442-78-2	72
5	Pyrene, 4-methyl-	216	C17H12	003353-12-6	64





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF060420\
Data File : BF120550.D
Acq On : 4 Jun 2020 23:01
Operator : JU/CG
Sample : L2814-07 5X
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PL-01-060320

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF052820.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

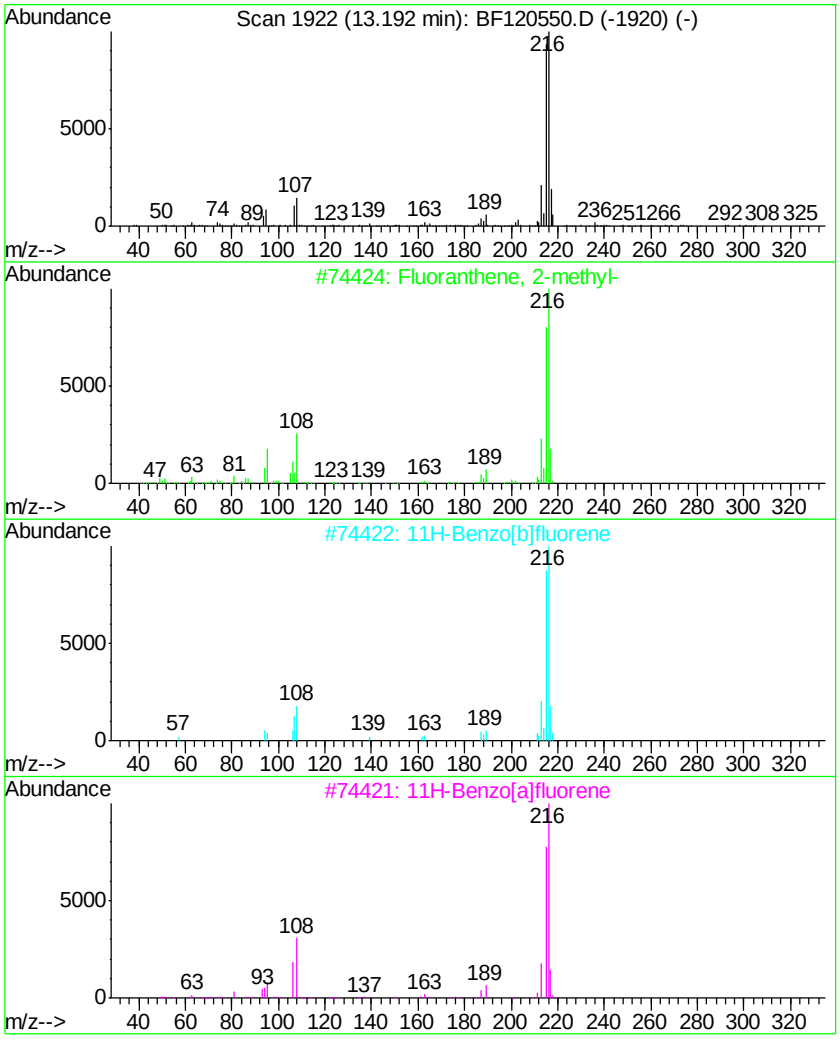
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

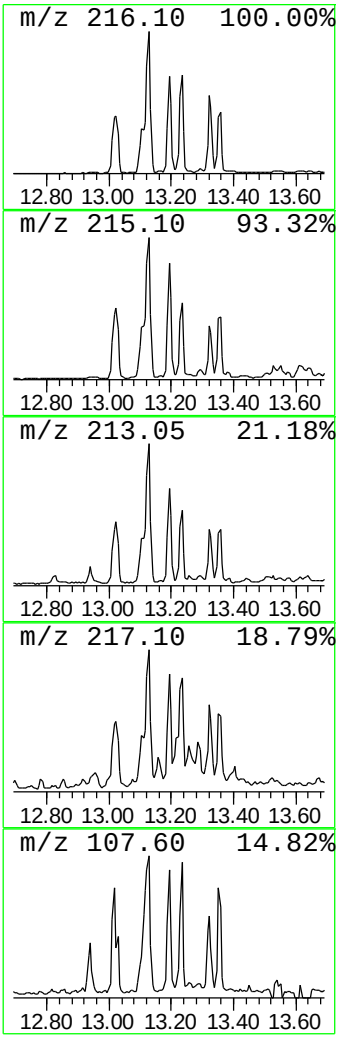
****

Peak Number 17 Fluoranthene, 2-methyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.19	2.77 ng	275777	Chrysene-d12	14.00

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	93
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	87
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	72
5	Pyrene, 2-methyl-	216	C17H12	003442-78-2	62





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF060420\
Data File : BF120550.D
Acq On : 4 Jun 2020 23:01
Operator : JU/CG
Sample : L2814-07 5X
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PL-01-060320

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF052820.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

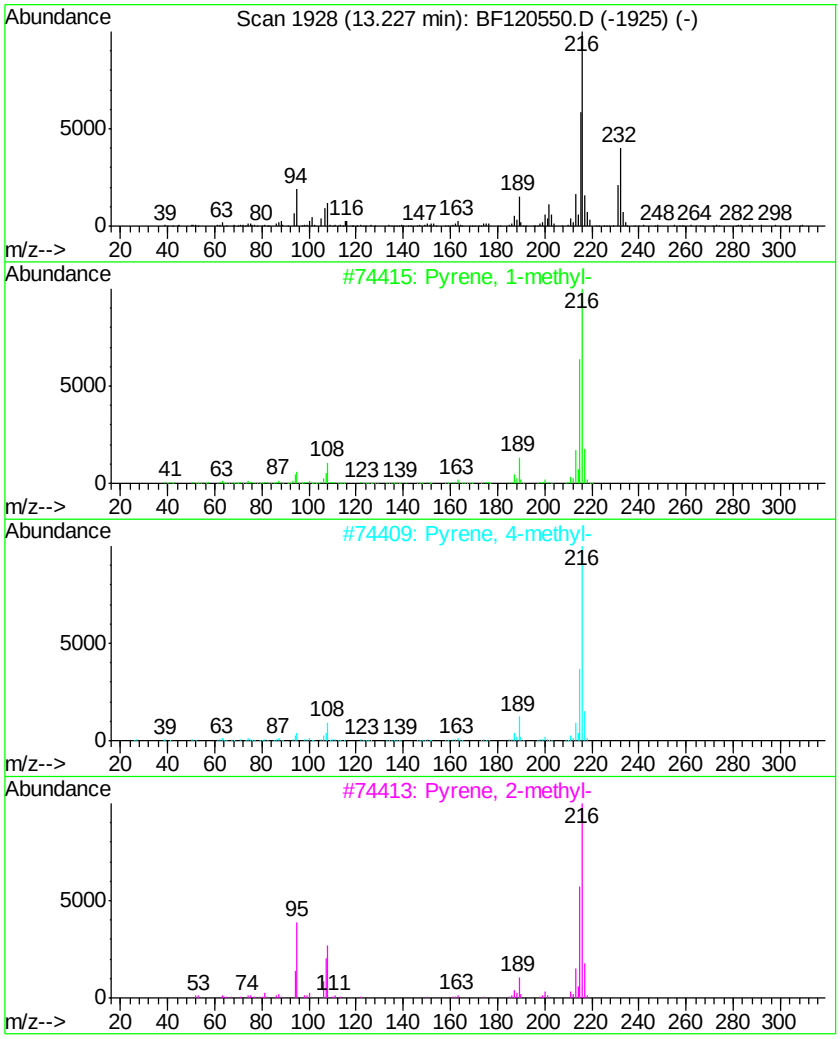
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

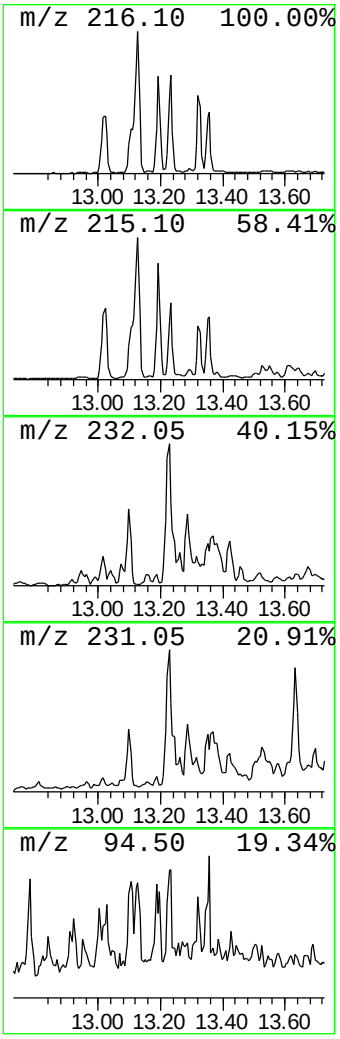
****

Peak Number 18 Pyrene, 4-methyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.23	3.71 ng	369562	Chrysene-d12	14.00

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	96
2	Pyrene, 4-methyl-	216	C17H12	003353-12-6	96
3	Pyrene, 2-methyl-	216	C17H12	003442-78-2	93
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	81
5	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	76





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF060420\
Data File : BF120550.D
Acq On : 4 Jun 2020 23:01
Operator : JU/CG
Sample : L2814-07 5X
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PL-01-060320

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF052820.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

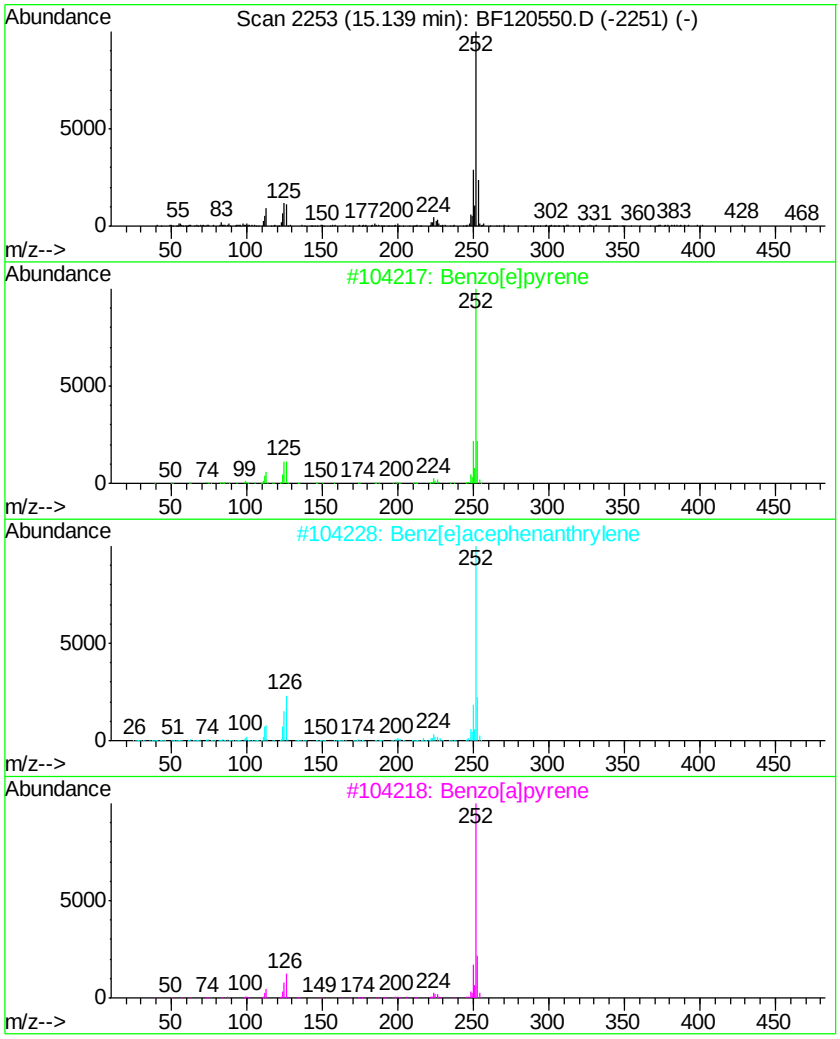
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

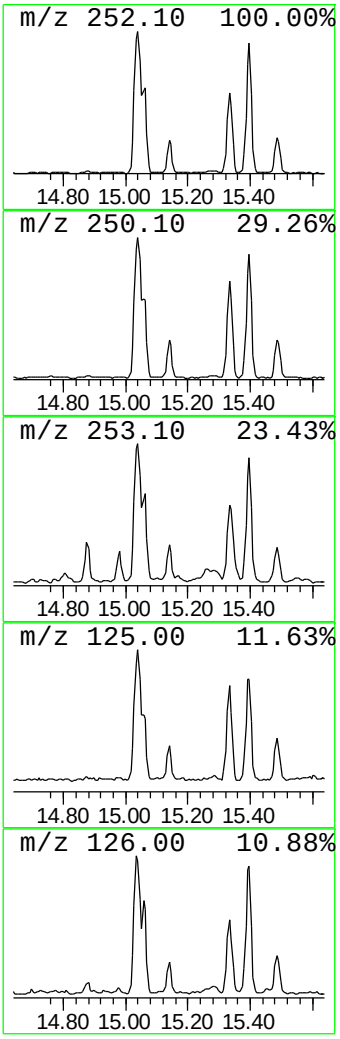
****

Peak Number 19 Benzo[e]pyrene Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.14	4.40 ng	141164	Perylene-d12	15.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	94
2	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	93
3	Benzo[a]pyrene	252	C20H12	000050-32-8	91
4	Benzo[k]fluoranthene	252	C20H12	000207-08-9	90
5	Perylene	252	C20H12	000198-55-0	87





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF060420\
Data File : BF120550.D
Acq On : 4 Jun 2020 23:01
Operator : JU/CG
Sample : L2814-07 5X
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PL-01-060320

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF052820.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
Butane, 2-methoxy...	2.06	11.2	ng	547234	1	6.83	973920	20.0
Dodecane	10.77	3.5	ng	230850	4	11.36	1334230	20.0
Naphtho[2,1-b]thi...	11.25	3.6	ng	239285	4	11.36	1334230	20.0
Hexadecanoic acid...	11.75	3.3	ng	217607	4	11.36	1334230	20.0
Anthracene, 2-met...	11.86	4.7	ng	311339	4	11.36	1334230	20.0
Phenanthrene, 2-m...	11.89	6.3	ng	417438	4	11.36	1334230	20.0
4H-Cyclopenta[def...	11.97	8.7	ng	580599	4	11.36	1334230	20.0
Phenanthrene, 4-m...	11.99	3.1	ng	210448	4	11.36	1334230	20.0
Phenanthrene, 2,5...	12.41	5.3	ng	350471	4	11.36	1334230	20.0
9,12-Octadecadien...	12.43	14.5	ng	968818	4	11.36	1334230	20.0
10-Octadecenoic a...	12.46	22.6	ng	1510870	4	11.36	1334230	20.0
Cyclopenta(def)ph...	12.49	3.4	ng	224849	4	11.36	1334230	20.0
Pyrene, 1-methyl-	13.02	4.0	ng	395900	5	14.00	1990690	20.0
11H-Benzo[b]fluorene	13.13	4.3	ng	428235	5	14.00	1990690	20.0
Fluoranthene, 2-m...	13.19	2.8	ng	275777	5	14.00	1990690	20.0
Pyrene, 4-methyl-	13.23	3.7	ng	369562	5	14.00	1990690	20.0
Benzo[e]pyrene	15.14	4.4	ng	141164	6	15.46	641275	20.0