LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF083120\
Data File : BF121487.D
Acq On : 31 Aug 2020 20:03
Operator : JU/CG
Sample : L3847-11
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : LINDEN-JOP-BH-09-C

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-BF082720.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	2.140	4	9	22	rVB	1401467	1817056	28.44%	1.779%
2	5.475	569	576	579	rBV	4137626	3729474	58.38%	3.651%
3	5.698	609	614	620	rBV	125256	117622	1.84%	0.115%
4	6.481	743	747	750	rBV	3876037	3801966	59.51%	3.722%
5	6.692	780	783	787	rBV2	118774	127573	2.00%	0.125%
6	6.863	808	812	815	rBV	2079007	1797565	28.14%	1.760%
7	7.422	902	907	910	rBV	3068623	2628016	41.14%	2.573%
8	8.145	1026	1030	1033	rBV	2668124	2265709	35.47%	2.218%
9	9.222	1208	1213	1216	rBV	5351113	4625993	72.41%	4.529%
10	9.392	1238	1242	1245	rBV2	286373	354067	5.54%	0.347%
11	9.522	1261	1264	1267	rBV	174241	159348	2.49%	0.156%
12	9.610	1276	1279	1287	rVB2	275621	338385	5.30%	0.331%
13	9.757	1299	1304	1308	rBV2	742594	719328	11.26%	0.704%
14	9.898	1324	1328	1332	rVV	2918356	2587911	40.51%	2.534%
15	9.927	1332	1333	1340	rVB4	160592	175559	2.75%	0.172%
16	10.098	1360	1362	1366	rVB2	205984	212289	3.32%	0.208%
17	10.139	1366	1369	1373	rVB	174574	129894	2.03%	0.127%
18	10.216	1377	1382	1384	rBV2	132677	144204	2.26%	0.141%
19	10.304	1392	1397	1399	rBV3	130155	157279	2.46%	0.154%
20	10.445	1418	1421	1427	rVB2	310250	352946	5.52%	0.346%
21	10.510	1427	1432	1434	rBV4	77207	107957	1.69%	0.106%
22	10.604	1444	1448	1451	rBV	293877	248313	3.89%	0.243%
23	10.686	1456	1462	1466	rVV	3218905	2895751	45.33%	2.835%
24	10.733	1466	1470	1474	rVB2	82036	109718	1.72%	0.107%
25	10.810	1479	1483	1489	rVB3	169865	201470	3.15%	0.197%
26	10.992	1508	1514	1517	rBV3	251753	356531	5.58%	0.349%
27	11.022	1517	1519	1522	rVV2	116410	105027	1.64%	0.103%
28	11.074	1526	1528	1531	rVV	103056	99108	1.55%	0.097%
29	11.121	1531	1536	1538	rVV2	332040	347213	5.43%	0.340%
30	11.145	1538	1540	1545	rVV	307998	365475	5.72%	0.358%
31	11.186	1545	1547	1552	rVV2	198248	229937	3.60%	0.225%
32	11.233	1552	1555	1558	rVV	337778	395805	6.20%	0.388%
33	11.280	1561	1563	1569	rVB	303018	289389	4.53%	0.283%
34	11.386	1577	1581	1583	rBV	2564124	2410326	37.73%	2.360%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF083120\
Data File : BF121487.D
Acq On : 31 Aug 2020 20:03
Operator : JU/CG
Sample : L3847-11
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : LINDEN-JOP-BH-09-C

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-BF082720.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	11.410	1583	1585	1588	rVV	4050719	3271412	51.21%	3.203%
36	11.463	1591	1594	1596	rVV	1288490	1119375	17.52%	1.096%
37	11.492	1596	1599	1602	rVB2	187781	197509	3.09%	0.193%
38	11.639	1621	1624	1629	rBV3	114354	145995	2.29%	0.143%
39	11.680	1629	1631	1635	rBV	210384	150395	2.35%	0.147%
40	11.716	1635	1637	1642	rVB3	175243	171150	2.68%	0.168%
41	11.786	1646	1649	1656	rVB	441217	474372	7.43%	0.464%
42	11.851	1656	1660	1662	rBV2	270974	323246	5.06%	0.316%
43	11.886	1663	1666	1668	rVV	934325	783807	12.27%	0.767%
44	11.916	1668	1671	1675	rVB	1985095	1587536	24.85%	1.554%
45	11.963	1675	1679	1682	rVB	735964	576014	9.02%	0.564%
46	11.998	1682	1685	1688	rBV	1406281	1626924	25.47%	1.593%
47	12.021	1688	1689	1691	rVB	661091	321276	5.03%	0.315%
48	12.180	1713	1716	1719	rVV	777378	719224	11.26%	0.704%
49	12.204	1719	1720	1723	rVV2	184965	134873	2.11%	0.132%
50	12.333	1739	1742	1744	rVB	198708	145375	2.28%	0.142%
51	12.363	1744	1747	1749	rVB2	236629	162152	2.54%	0.159%
52	12.386	1749	1751	1754	rVB	234513	179717	2.81%	0.176%
53	12.433	1754	1759	1762	rBV	603562	732167	11.46%	0.717%
54	12.474	1762	1766	1768	rVV	416008	469356	7.35%	0.460%
55	12.521	1771	1774	1779	rVB	621141	683001	10.69%	0.669%
56	12.604	1783	1788	1791	rBV	6487249	5965491	93.38%	5.840%
57	12.645	1791	1795	1796	rBV2	116061	101350	1.59%	0.099%
58	12.663	1796	1798	1801	rVB3	181514	140993	2.21%	0.138%
59	12.692	1801	1803	1806	rBV	454219	421446	6.60%	0.413%
60	12.751	1810	1813	1820	rVB3	273887	302435	4.73%	0.296%
61	12.833	1820	1827	1832	rBV2	5558992	6388522	100.00%	6.255%
62	12.874	1832	1834	1839	rVB2	430136	511939	8.01%	0.501%
63	12.945	1843	1846	1848	rBV	583615	561669	8.79%	0.550%
64	12.974	1848	1851	1857	rVB	3803222	3879660	60.73%	3.798%
65	13.045	1857	1863	1867	rBV3	619770	1108214	17.35%	1.085%
66	13.133	1874	1878	1879	rBV2	449100	488096	7.64%	0.478%
67	13.157	1879	1882	1885	rVB	1084329	1002399	15.69%	0.981%
68	13.186	1885	1887	1889	rBV2	102164	120589	1.89%	0.118%
69	13.221	1890	1893	1895	rVB	613424	465623	7.29%	0.456%
70	13.257	1895	1899	1903	rBV2	935893	977020	15.29%	0.957%
71	13.315	1907	1909	1912	rBV2	219860	228165	3.57%	0.223%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF083120\
Data File : BF121487.D
Acq On : 31 Aug 2020 20:03
Operator : JU/CG
Sample : L3847-11
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : LINDEN-JOP-BH-09-C

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-BF082720.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	13.351	1912	1915	1918	rVB	437861	328950	5.15%	0.322%
73	13.380	1918	1920	1924	rBV2	456564	486002	7.61%	0.476%
74	13.451	1930	1932	1937	rVB3	314794	372947	5.84%	0.365%
75	13.533	1943	1946	1947	rBV	189514	202528	3.17%	0.198%
76	13.663	1965	1968	1972	rVB	575911	620912	9.72%	0.608%
77	13.774	1982	1987	1990	rBV2	483731	751071	11.76%	0.735%
78	13.804	1990	1992	1994	rVV	715083	590806	9.25%	0.578%
79	13.827	1994	1996	2000	rVV2	416740	665208	10.41%	0.651%
80	13.868	2000	2003	2010	rVB2	1303940	1401690	21.94%	1.372%
81	14.021	2022	2029	2032	rBV3	4220529	5994358	93.83%	5.869%
82	14.051	2032	2034	2040	rVB	2644259	2769634	43.35%	2.712%
83	14.133	2045	2048	2050	rBV	322669	232800	3.64%	0.228%
84	14.168	2051	2054	2056	rVV	168303	146753	2.30%	0.144%
85	14.251	2064	2068	2071	rBV3	300231	442227	6.92%	0.433%
86	14.280	2071	2073	2075	rVB	183874	134073	2.10%	0.131%
87	14.374	2087	2089	2091	rBV	200942	187312	2.93%	0.183%
88	14.410	2092	2095	2098	rVV	890015	854258	13.37%	0.836%
89	14.445	2098	2101	2105	rVV	421355	393004	6.15%	0.385%
90	14.504	2108	2111	2114	rVV2	399807	466650	7.30%	0.457%
91	14.533	2114	2116	2118	rVV	337136	327914	5.13%	0.321%
92	14.557	2118	2120	2124	rVB4	299160	292449	4.58%	0.286%
93	15.074	2203	2208	2210	rBV	2103059	3285198	51.42%	3.216%
94	15.174	2222	2225	2229	rVB	552331	607333	9.51%	0.595%
95	15.374	2255	2259	2265	rVB	1271749	1719521	26.92%	1.683%
96	15.439	2265	2270	2275	rBV	2092433	2592961	40.59%	2.539%
97	15.498	2276	2280	2283	rVV	1454659	1891644	29.61%	1.852%
98	15.527	2283	2285	2292	rVB2	607631	844368	13.22%	0.827%
99	16.968	2524	2530	2538	rVB2	670531	1354952	21.21%	1.327%
100	17.403	2599	2604	2621	rVB	473149	1139970	17.84%	1.116%

Sum of corrected areas: 102140184

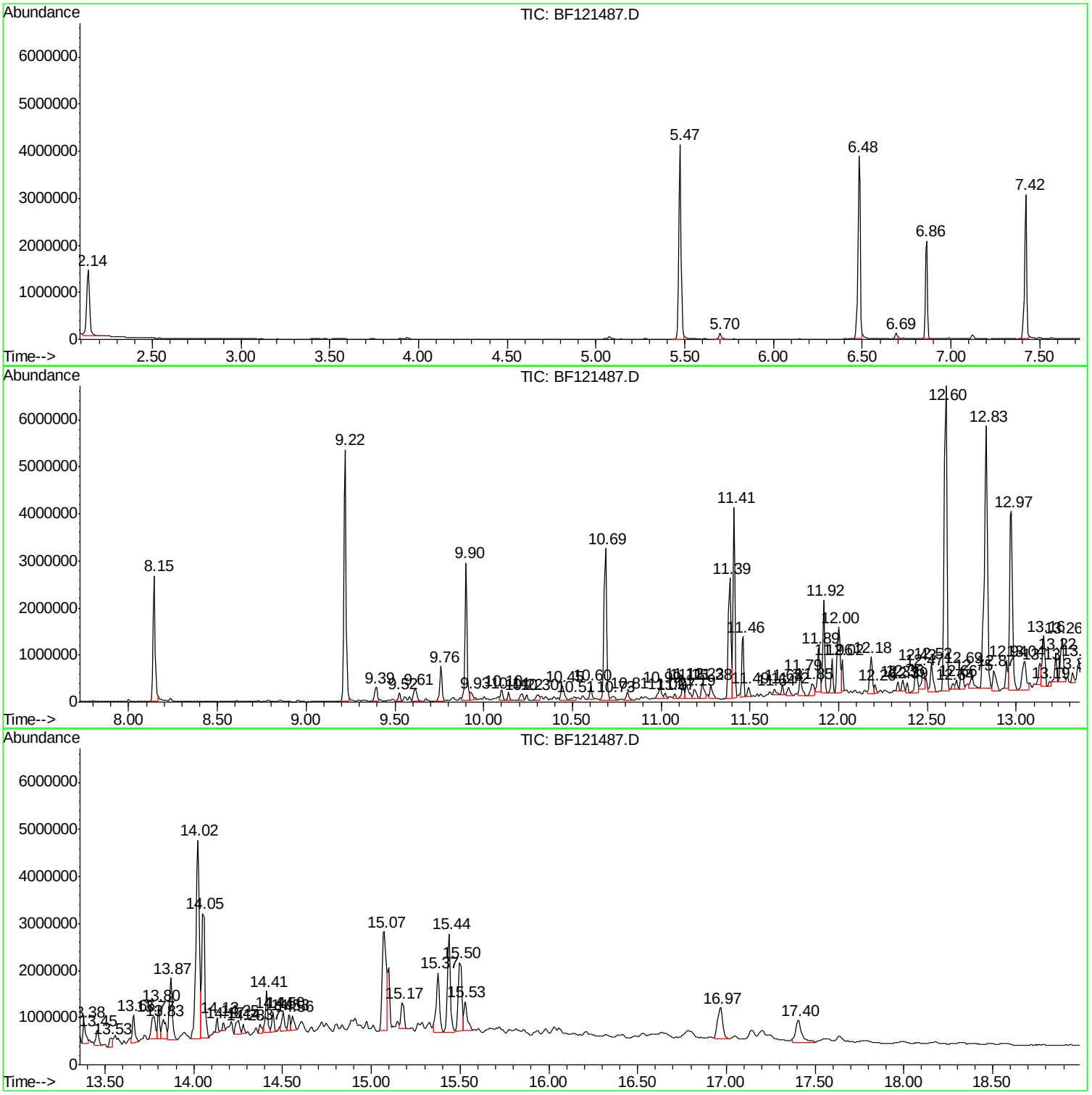
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF083120\
Data File : BF121487.D
Acq On : 31 Aug 2020 20:03
Operator : JU/CG
Sample : L3847-11
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
LINDEN-JOP-BH-09-C

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF082720.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\BF083120\
Data File : BF121487.D
Acq On : 31 Aug 2020 20:03
Operator : JU/CG
Sample : L3847-11
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : LINDEN-JOP-BH-09-C

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF082720.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

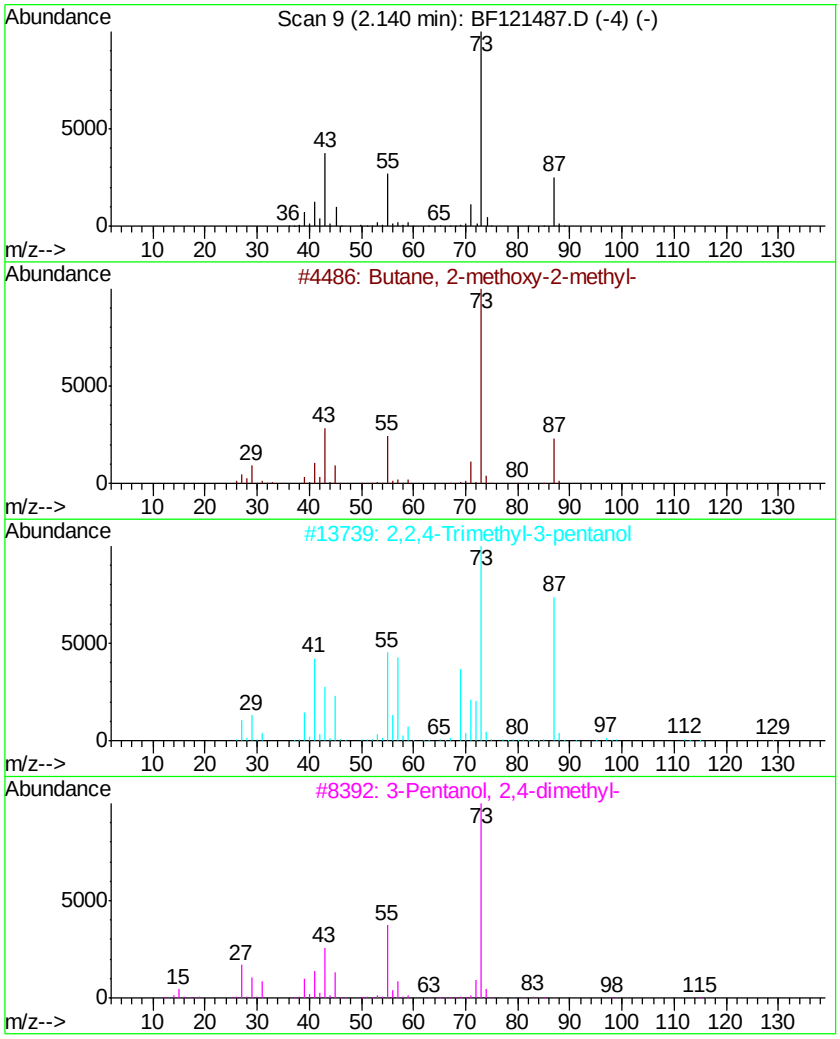
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

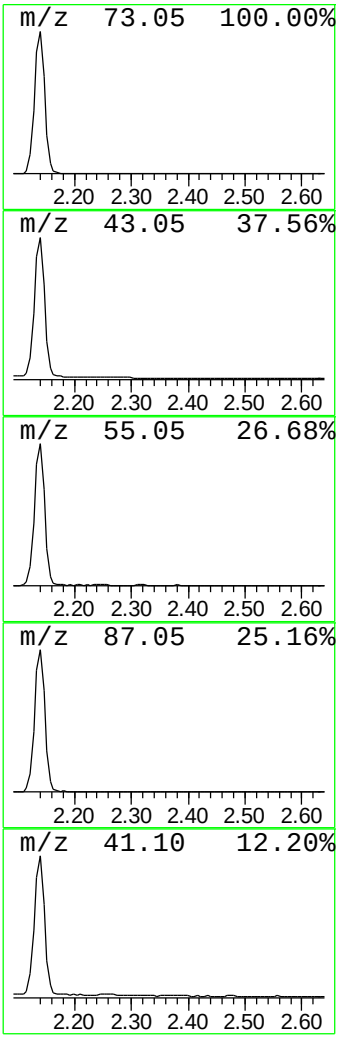
****

Peak Number 1 Butane, 2-methoxy-2-methyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.14	20.22 ng	1817060	1,4-Dichlorobenzene-d4	6.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	78
2	2,2,4-Trimethyl-3-pentanol	130	C8H18O	005162-48-1	40
3	3-Pentanol, 2,4-dimethyl-	116	C7H16O	000600-36-2	37
4	1,3-Dioxolane, 2-methyl-	88	C4H8O2	000497-26-7	25
5	Acetamide, N-ethyl-	87	C4H9NO	000625-50-3	22





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF083120\
Data File : BF121487.D
Acq On : 31 Aug 2020 20:03
Operator : JU/CG
Sample : L3847-11
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : LINDEN-JOP-BH-09-C

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF082720.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

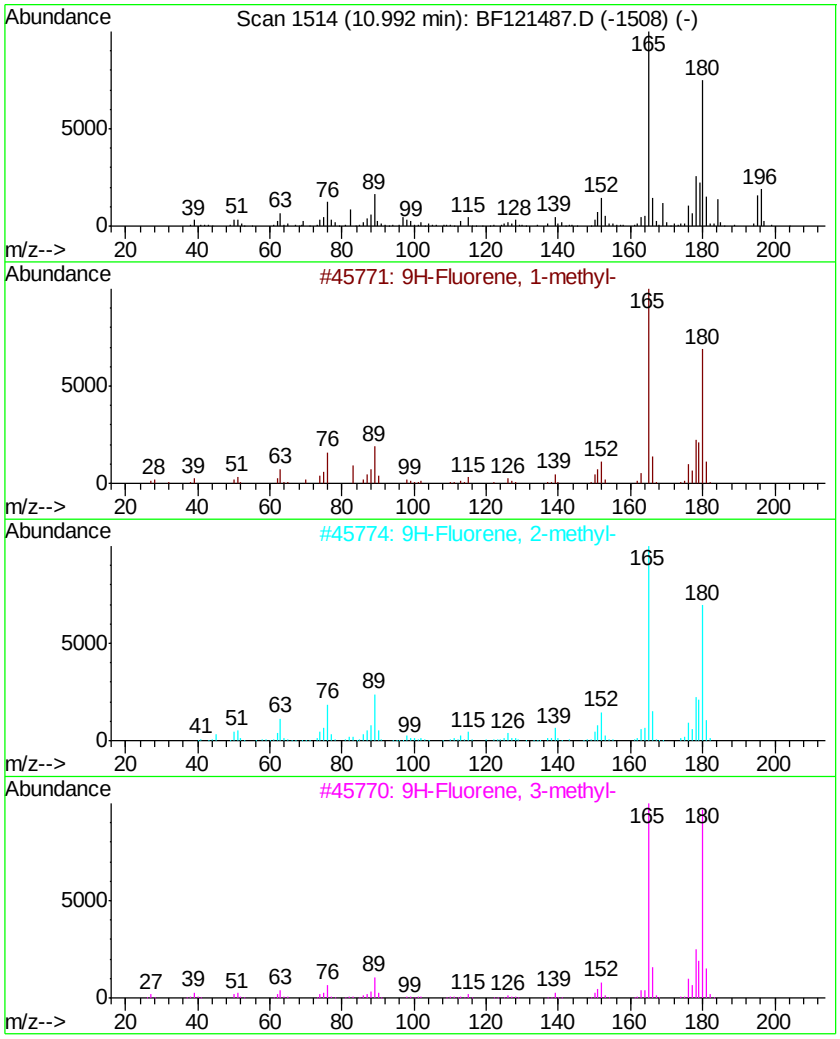
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

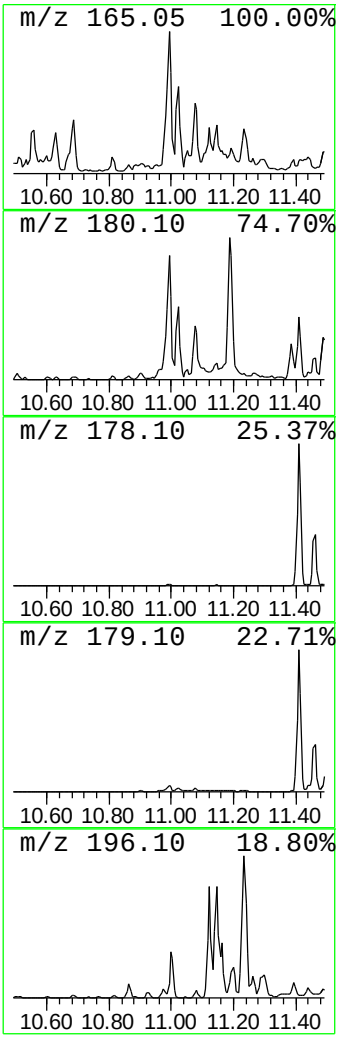
****

Peak Number 2 9H-Fluorene, 1-methyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.99	2.96 ng	356531	Phenanthrene-d10	11.39

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	96
2	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	96
3	9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	94
4	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	86
5	9H-Fluorene, 4-methyl-	180	C14H12	001556-99-6	86





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF083120\
Data File : BF121487.D
Acq On : 31 Aug 2020 20:03
Operator : JU/CG
Sample : L3847-11
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : LINDEN-JOP-BH-09-C

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF082720.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

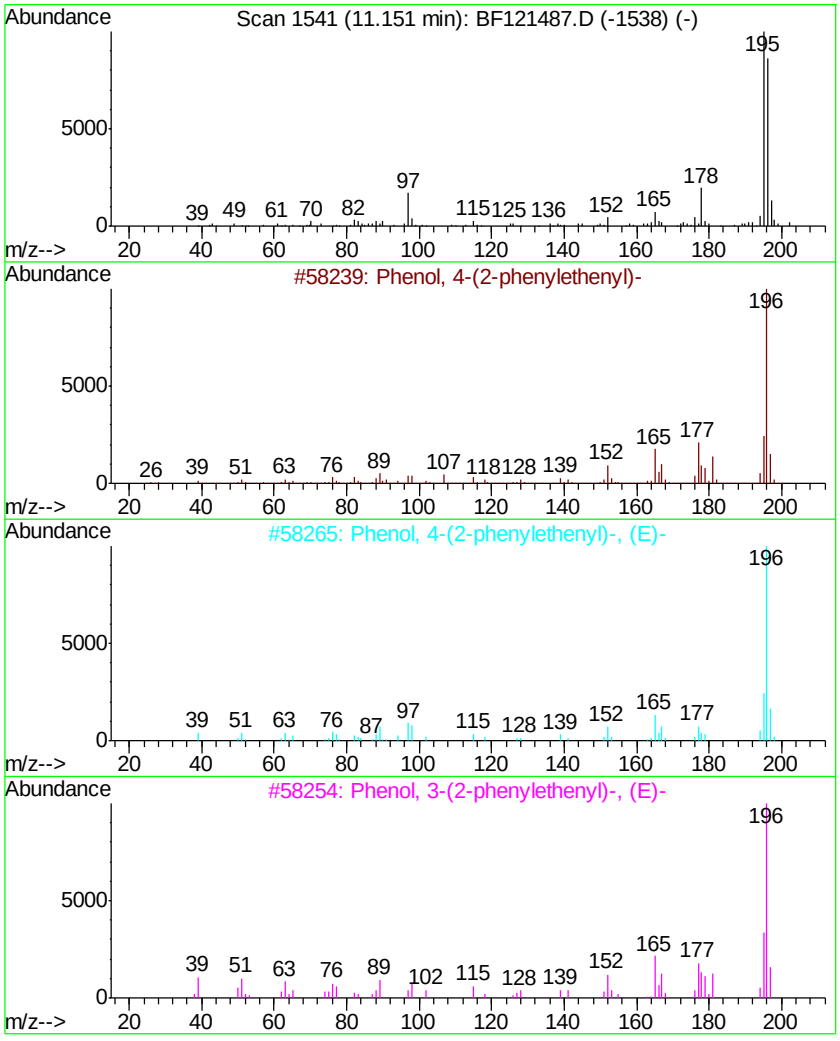
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

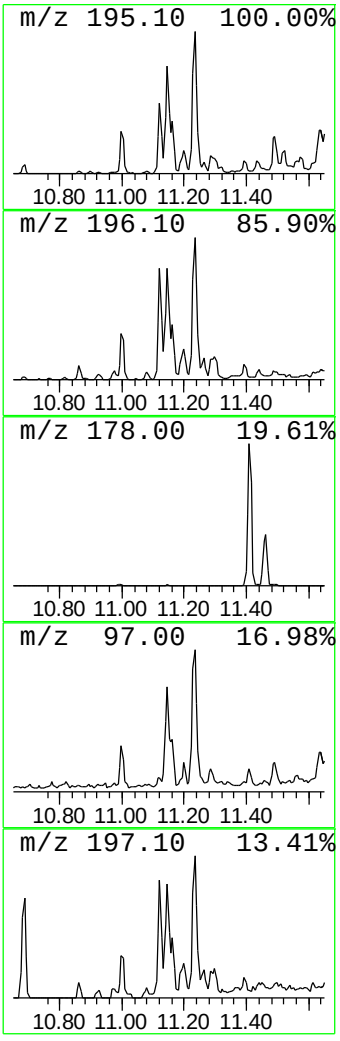
****

Peak Number 3 unknown11.15 Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.15	3.03 ng	365475	Phenanthrene-d10	11.39

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenol, 4-(2-phenylethenyl)-	196	C14H12O	003839-46-1	49
2	Phenol, 4-(2-phenylethenyl)-, (E)-	196	C14H12O	006554-98-9	49
3	Phenol, 3-(2-phenylethenyl)-, (E)-	196	C14H12O	017861-18-6	49
4	Benzenamine, 4-[(E)-2-(4-pyridin...	196	C13H12N2	1000351-61-4	43
5	2,4,6-Trimethoxybenzaldehyde	196	C10H12O4	000830-79-5	42





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF083120\
Data File : BF121487.D
Acq On : 31 Aug 2020 20:03
Operator : JU/CG
Sample : L3847-11
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : LINDEN-JOP-BH-09-C

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF082720.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

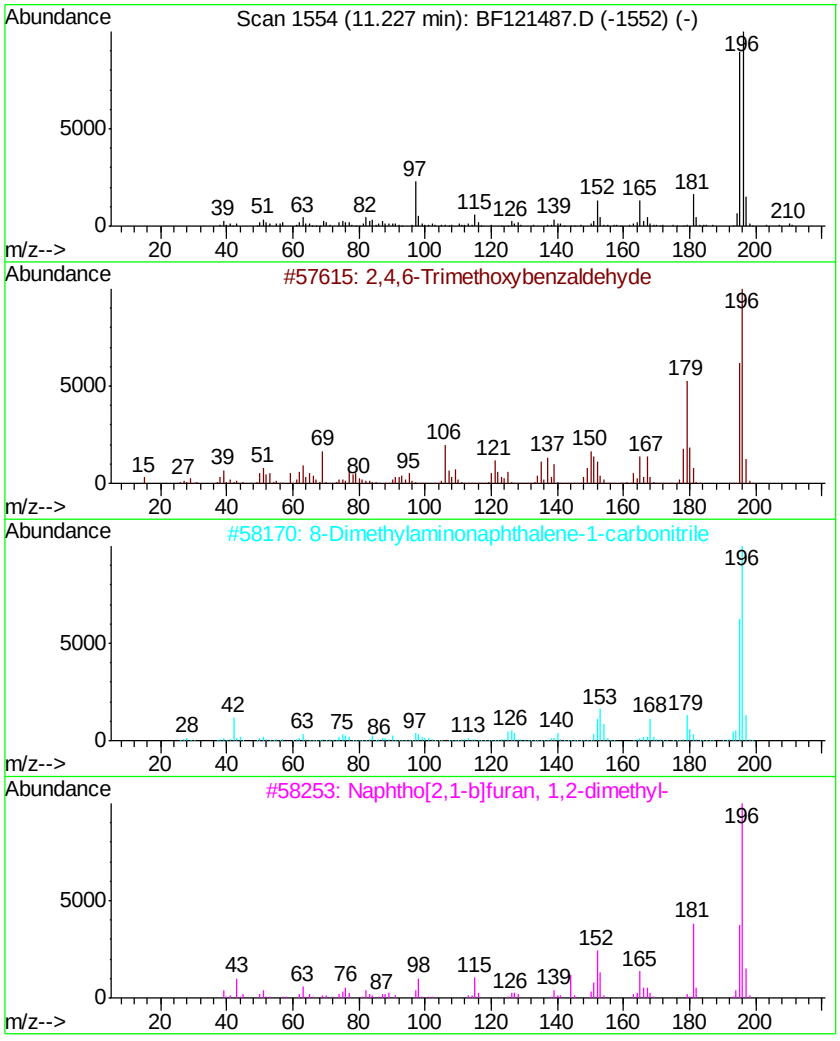
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

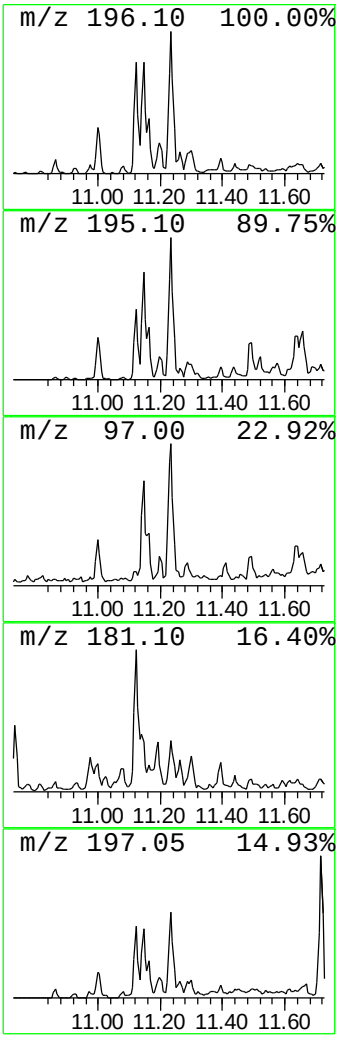
****

Peak Number 4 2,4,6-Trimethoxybenzaldehyde Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.23	3.28 ng	395805	Phenanthrene-d10	11.39

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,4,6-Trimethoxybenzaldehyde	196	C10H12O4	000830-79-5	86
2	8-Dimethylaminonaphthalene-1-car...	196	C13H12N2	128644-69-9	80
3	Naphtho[2,1-b]furan, 1,2-dimethyl-	196	C14H12O	129812-23-3	53
4	Phenol, 4-(2-phenylethenyl)-, (E)-	196	C14H12O	006554-98-9	52
5	Phenol, 4-(2-phenylethenyl)-	196	C14H12O	003839-46-1	50





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF083120\
Data File : BF121487.D
Acq On : 31 Aug 2020 20:03
Operator : JU/CG
Sample : L3847-11
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : LINDEN-JOP-BH-09-C

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF082720.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

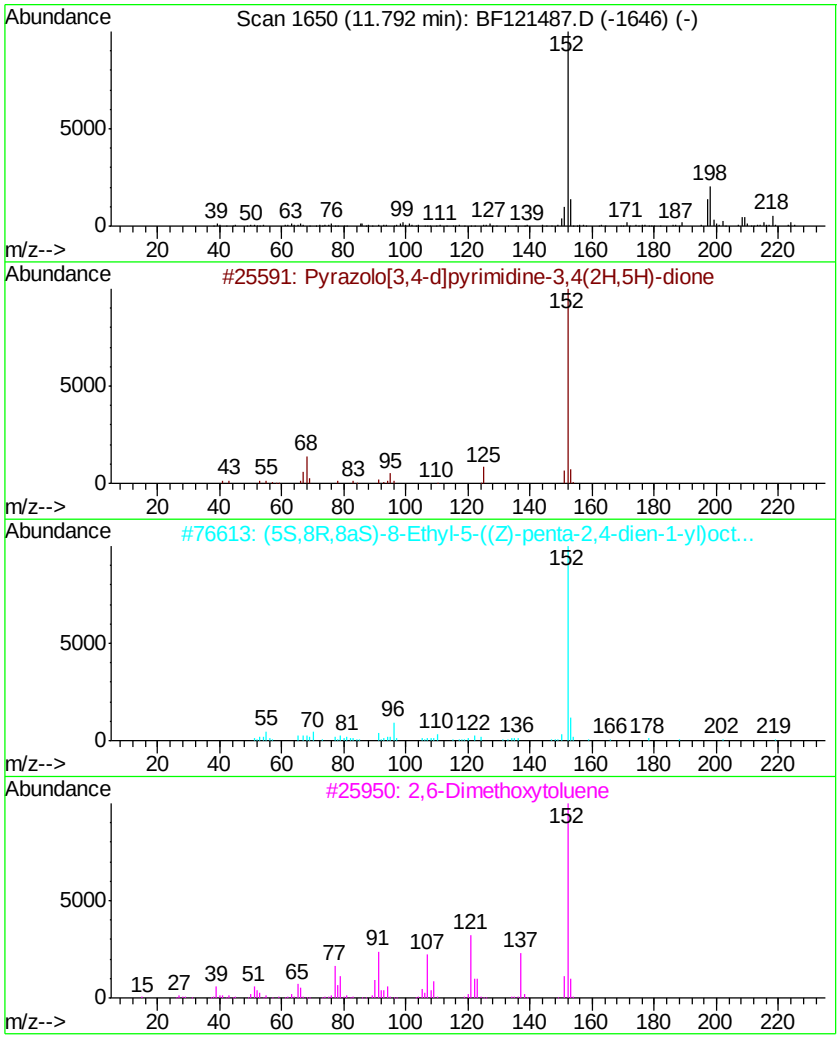
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

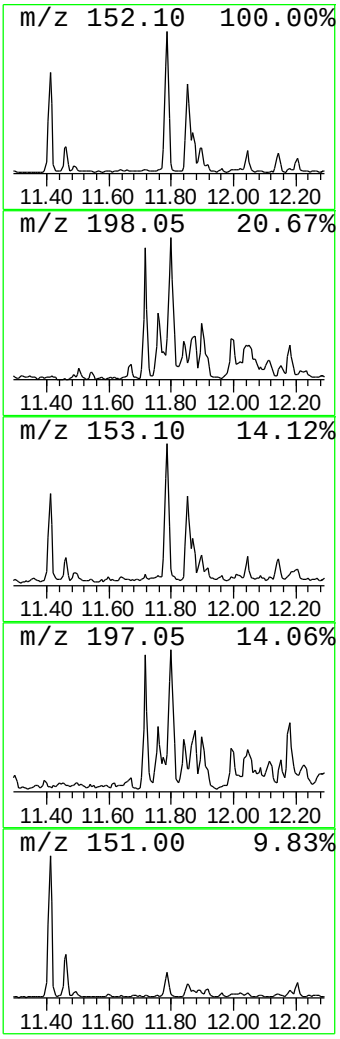
****

Peak Number 5 Pyrazolo[3,4-d]pyrimidine-3... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.79	3.94 ng	474372	Phenanthrene-d10	11.39

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrazolo[3,4-d]pyrimidine-3,4(2H...	152	C5H4N4O2	128850-53-3	50
2	(5S,8R,8aS)-8-Ethyl-5-((Z)-penta...	219	C15H25N	1000367-16-4	38
3	2,6-Dimethoxytoluene	152	C9H12O2	005673-07-4	9
4	Acenaphthylene	152	C12H8	000208-96-8	9
5	Tisopurine	152	C5H4N4S	005334-23-6	9





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF083120\
Data File : BF121487.D
Acq On : 31 Aug 2020 20:03
Operator : JU/CG
Sample : L3847-11
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : LINDEN-JOP-BH-09-C

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF082720.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

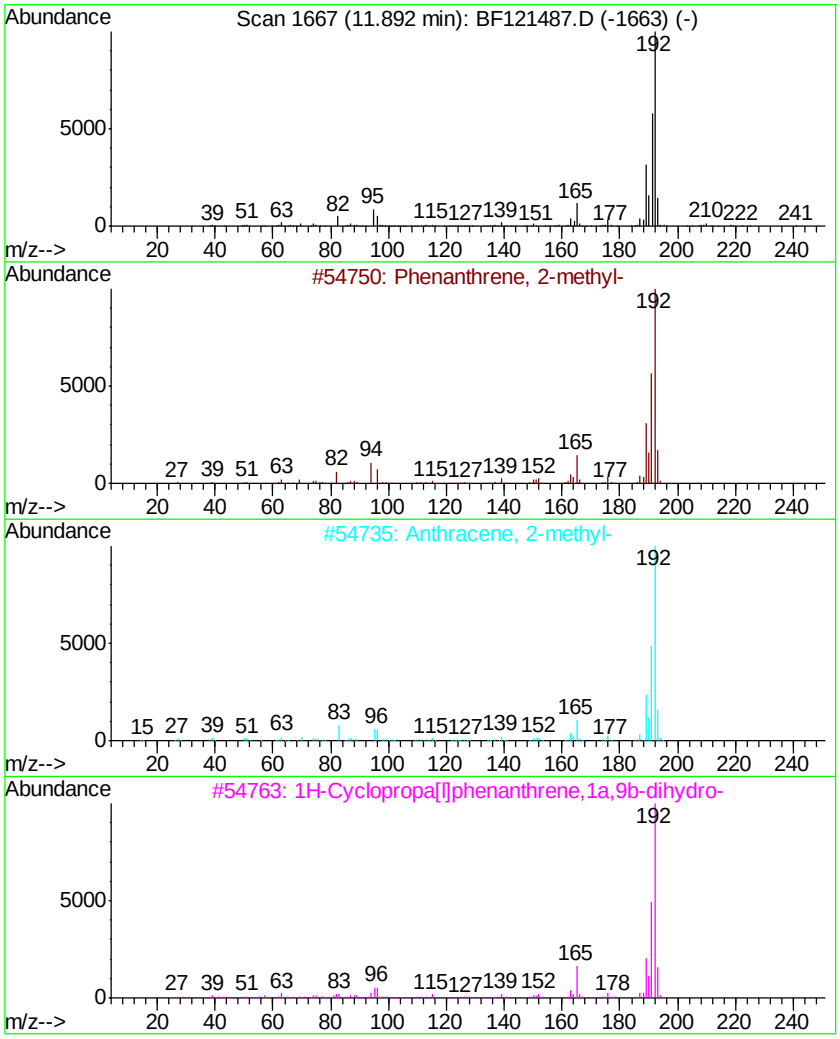
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

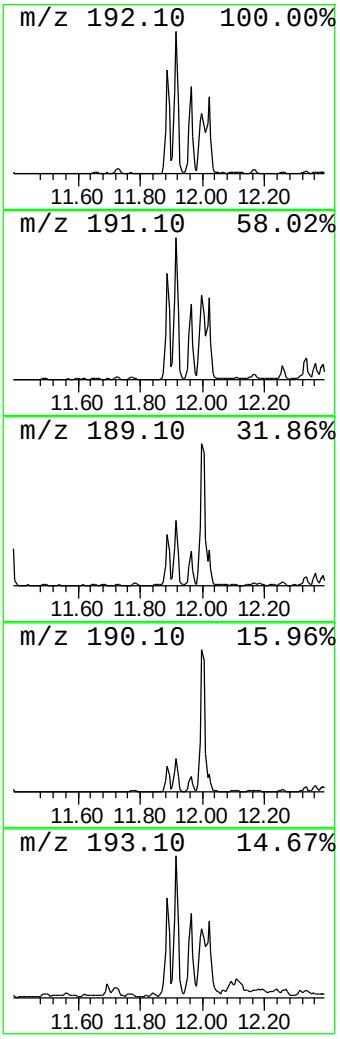
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.89	6.50 ng	783807	Phenanthrene-d10	11.39

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	92
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	91
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	90





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF083120\
Data File : BF121487.D
Acq On : 31 Aug 2020 20:03
Operator : JU/CG
Sample : L3847-11
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : LINDEN-JOP-BH-09-C

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF082720.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

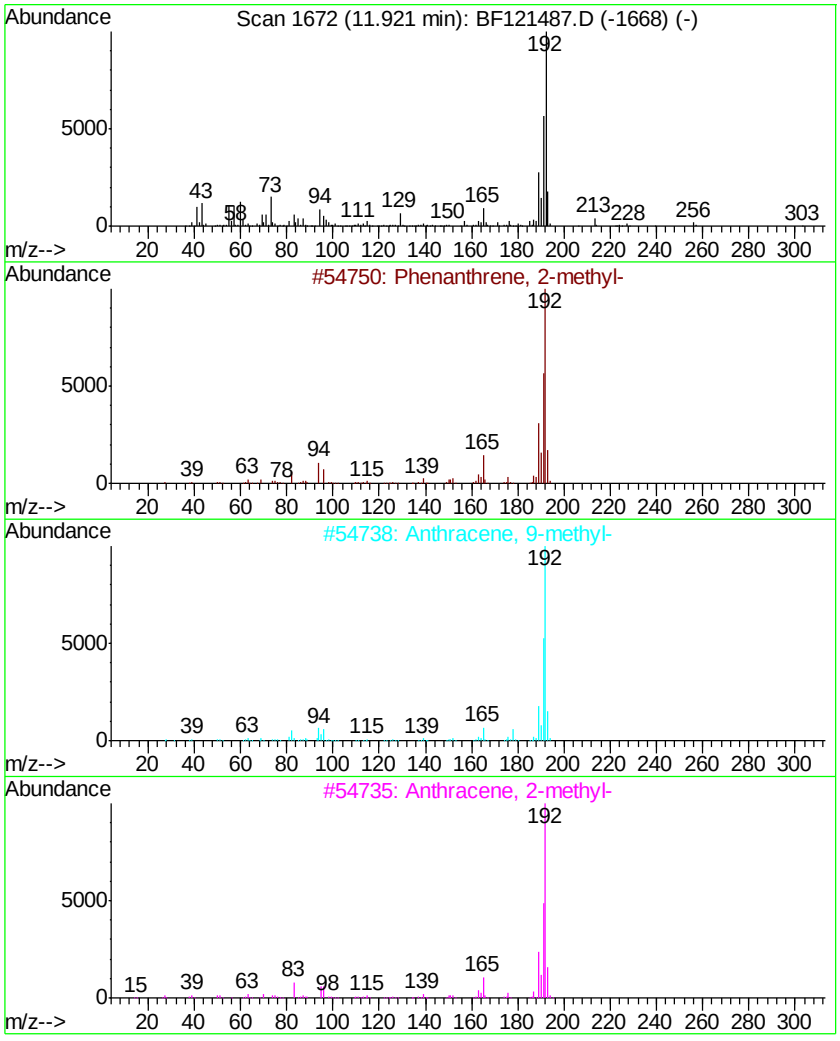
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

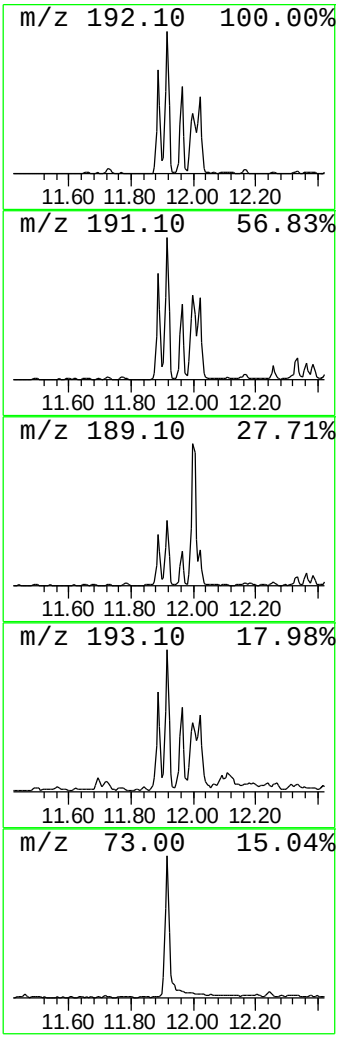
****

Peak Number 7 Anthracene, 9-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.92	13.17 ng	1587540	Phenanthrene-d10	11.39

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
2	Anthracene, 9-methyl-	192	C15H12	000779-02-2	96
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
4	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	93
5	Naphtho[2,3-b]norbornadiene	192	C15H12	107426-38-0	89





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF083120\
Data File : BF121487.D
Acq On : 31 Aug 2020 20:03
Operator : JU/CG
Sample : L3847-11
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
LINDEN-JOP-BH-09-C

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF082720.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

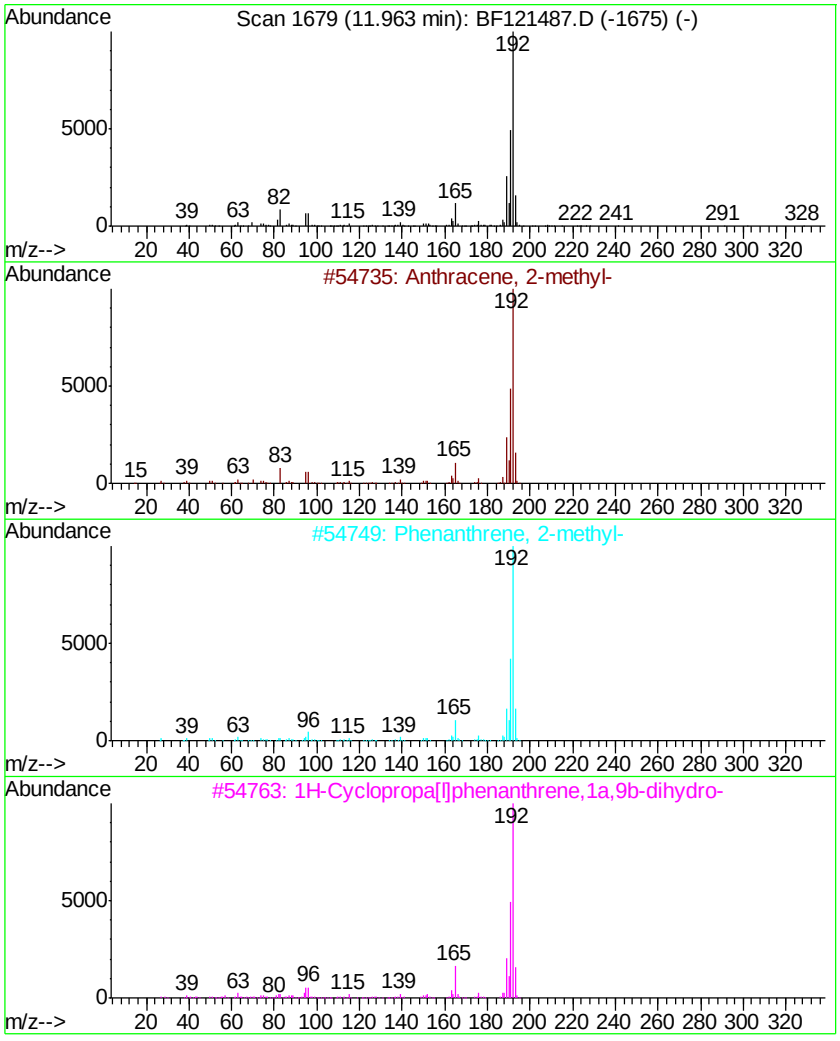
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

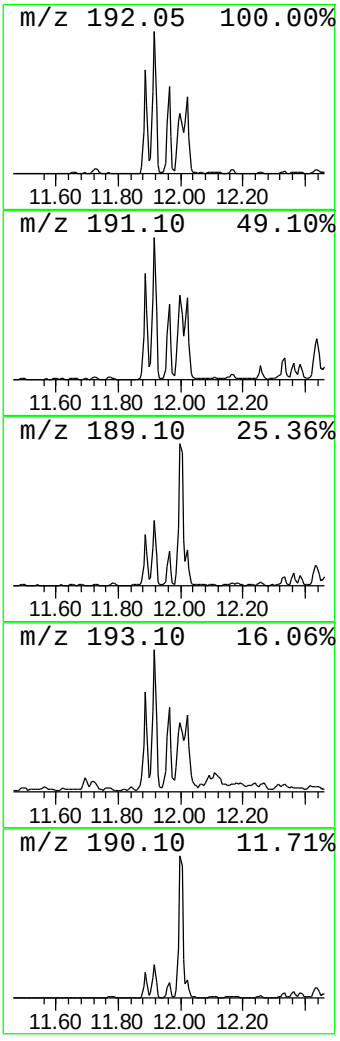
****

Peak Number 8 Anthracene, 2-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.96	4.78 ng	576014	Phenanthrene-d10	11.39

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	97
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
3	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	96
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
5	Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	95





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF083120\
Data File : BF121487.D
Acq On : 31 Aug 2020 20:03
Operator : JU/CG
Sample : L3847-11
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : LINDEN-JOP-BH-09-C

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF082720.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

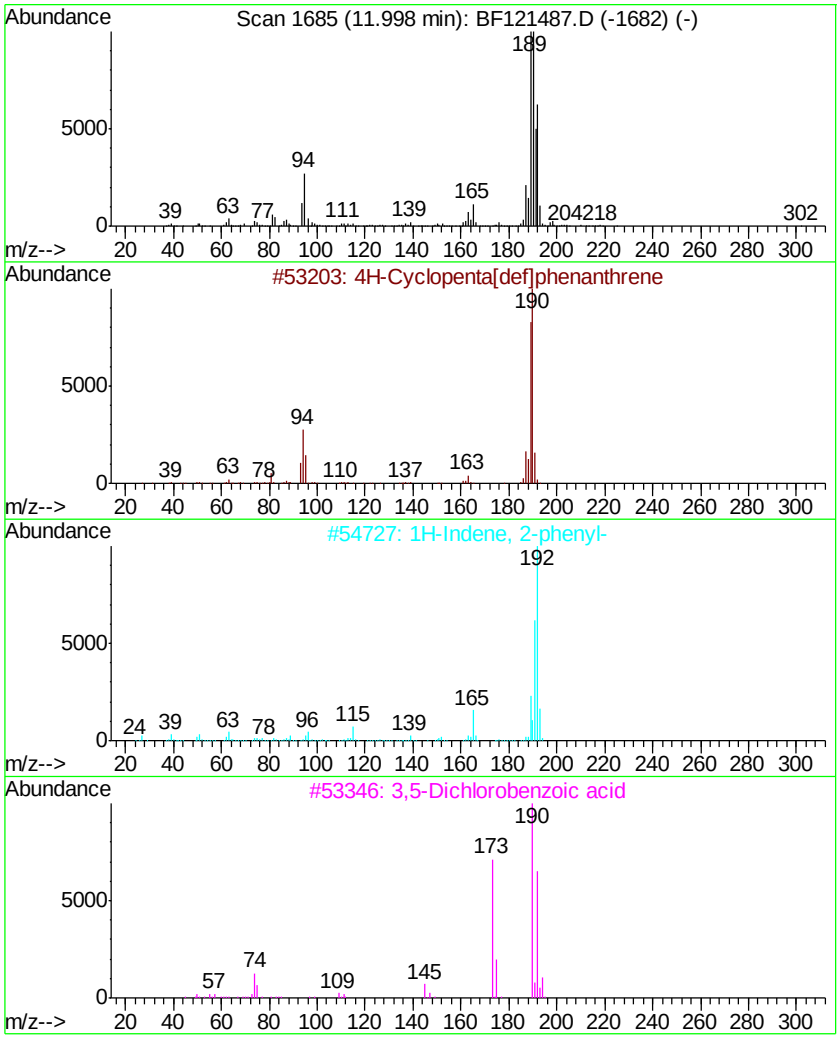
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

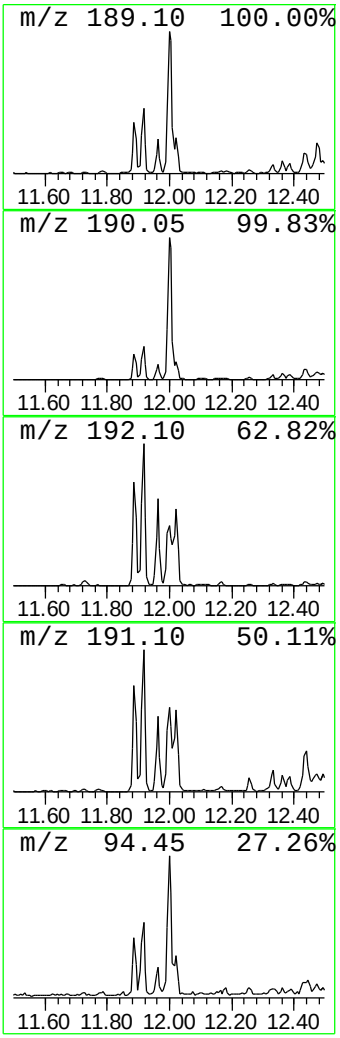
****

Peak Number 9 4H-Cyclopenta[def]phenanthrene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.00	13.50 ng	1626920	Phenanthrene-d10	11.39

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	93
2	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	35
3	3,5-Dichlorobenzoic acid	190	C7H4Cl2O2	000051-36-5	30
4	Benzene, 1,1'-(1,2-propadienylid...	192	C15H12	014251-57-1	25
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	25





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF083120\
Data File : BF121487.D
Acq On : 31 Aug 2020 20:03
Operator : JU/CG
Sample : L3847-11
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : LINDEN-JOP-BH-09-C

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF082720.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

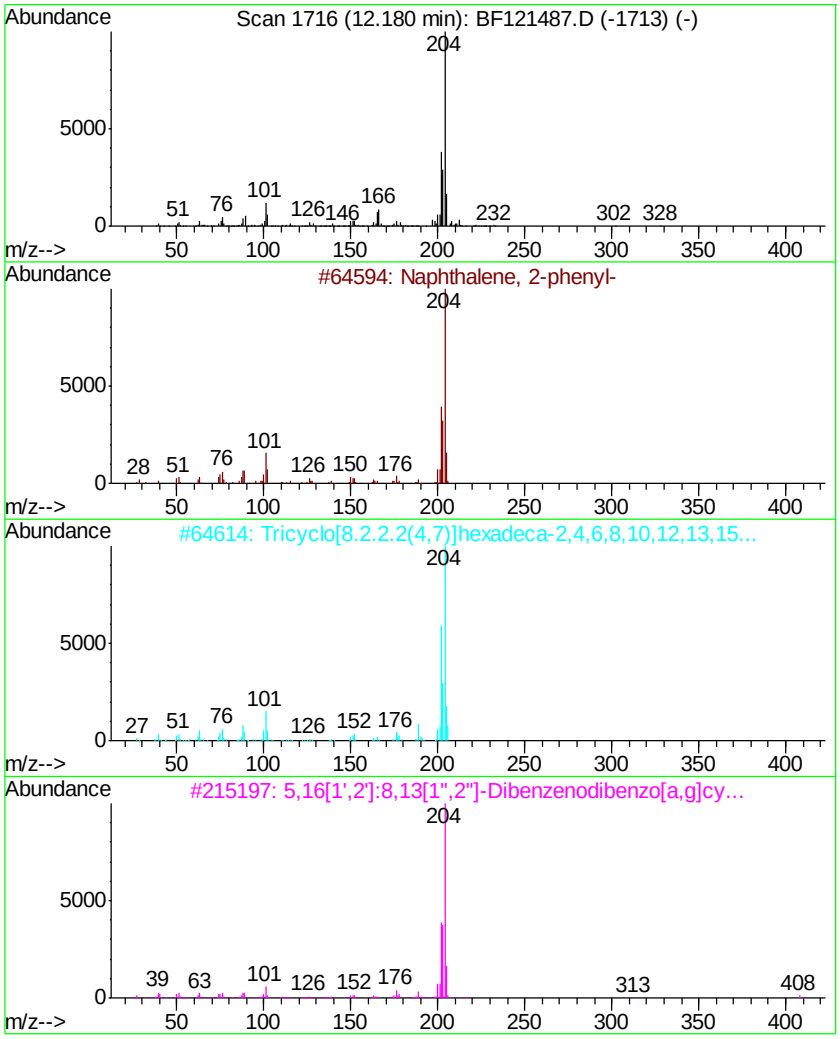
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

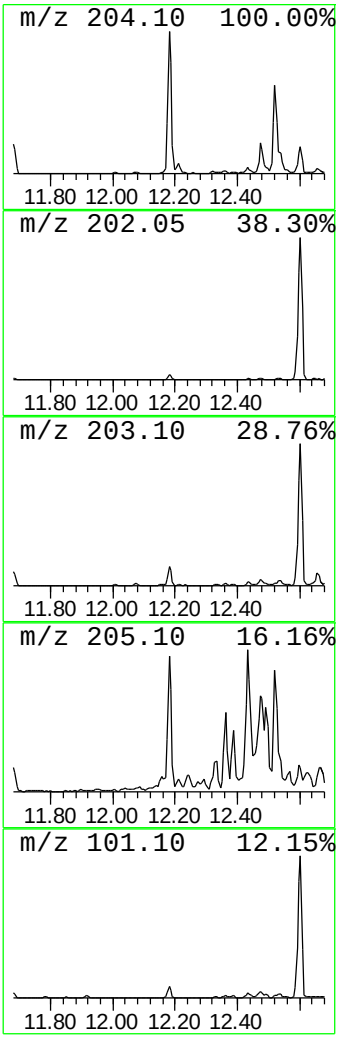
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.18	5.97 ng	719224	Phenanthrene-d10	11.39

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	93
2	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	62
3	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	53
4	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	53
5	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	47





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF083120\
Data File : BF121487.D
Acq On : 31 Aug 2020 20:03
Operator : JU/CG
Sample : L3847-11
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : LINDEN-JOP-BH-09-C

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF082720.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

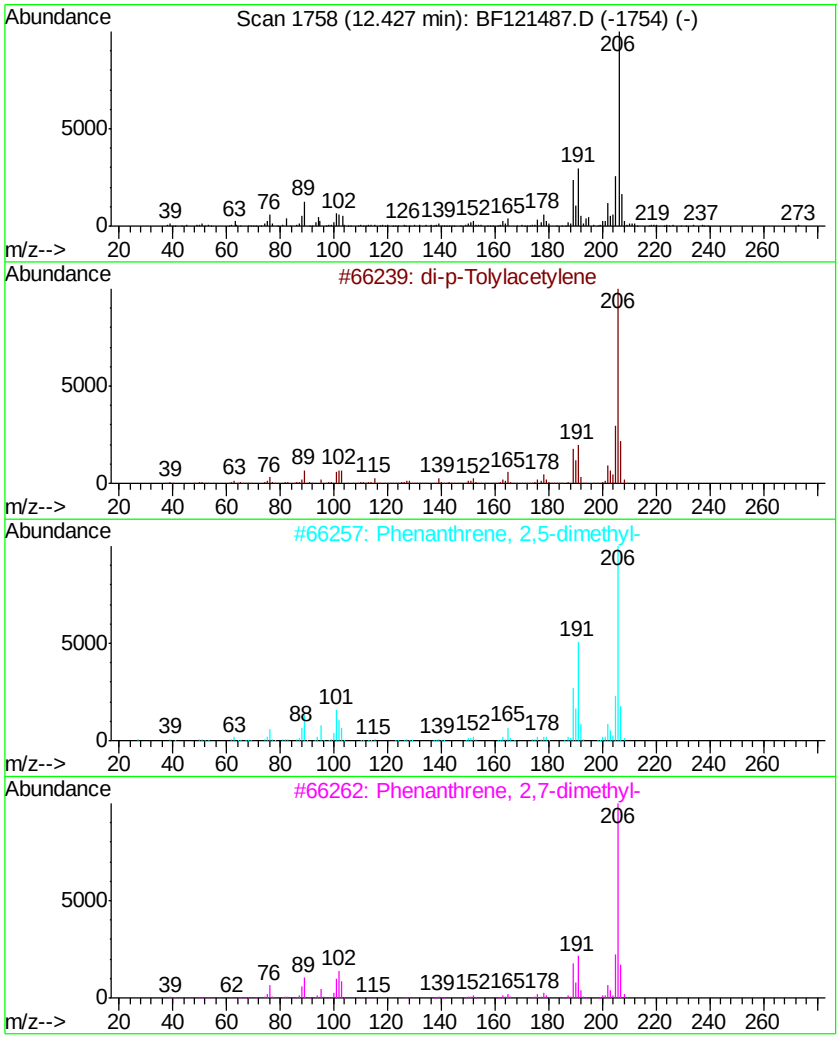
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

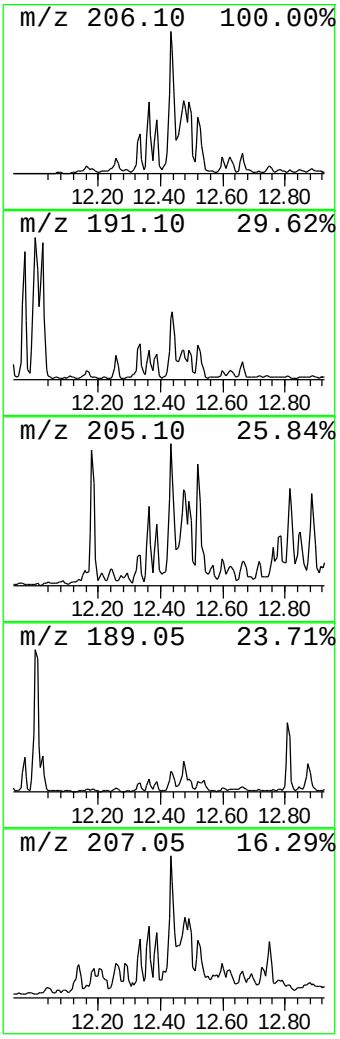
****

Peak Number 11 di-p-Tolylacetylene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.43	6.08 ng	732167	Phenanthrene-d10	11.39

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	di-p-Tolylacetylene	206	C16H14	002789-88-0	96
2	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	95
3	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	94
4	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	94
5	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	94





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF083120\
Data File : BF121487.D
Acq On : 31 Aug 2020 20:03
Operator : JU/CG
Sample : L3847-11
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : LINDEN-JOP-BH-09-C

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF082720.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

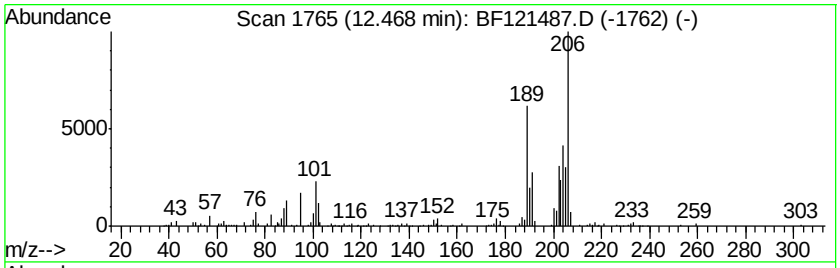
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

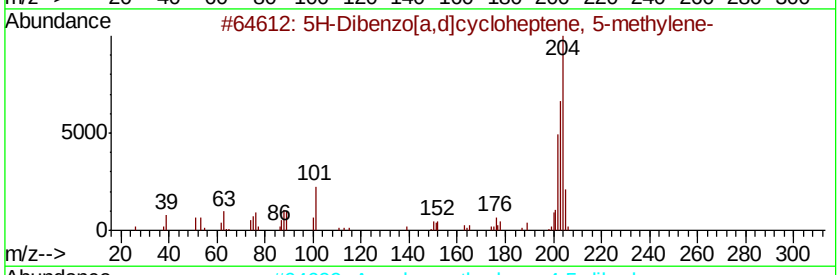
****

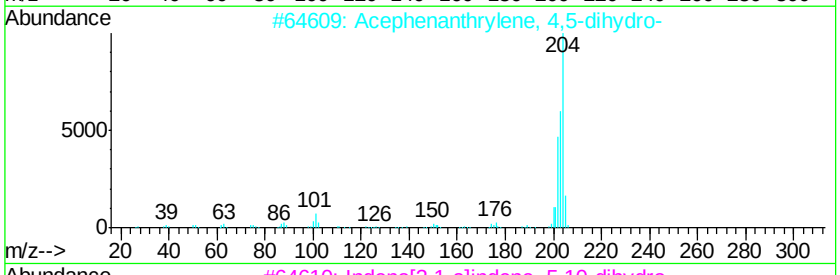
Peak Number 12 5H-Dibenzo[a,d]cycloheptene... Concentration Rank 13

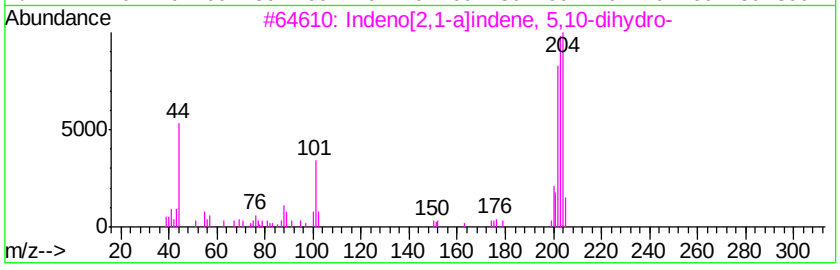
R.T.	EstConc	Area	Relative to ISTD	R.T.
12.47	3.89 ng	469356	Phenanthrene-d10	11.39

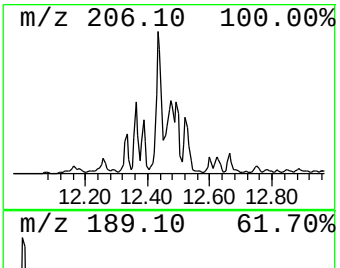
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5H-Dibenzo[a,d]cycloheptene, 5-m...	204	C16H12	002975-79-3	51
2	Acephenanthrylene, 4,5-dihydro-	204	C16H12	006232-48-0	47
3	Indeno[2,1-a]indene, 5,10-dihydro-	204	C16H12	006543-29-9	44
4	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	38
5	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	38

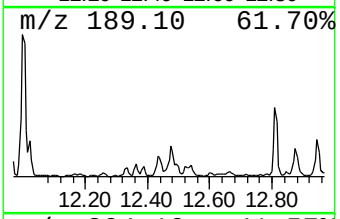


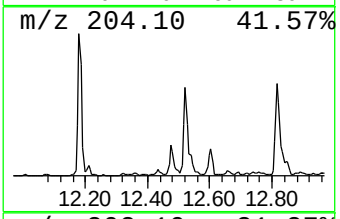


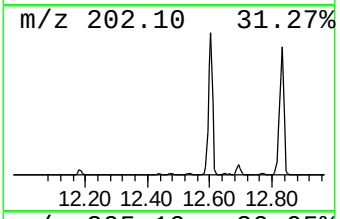


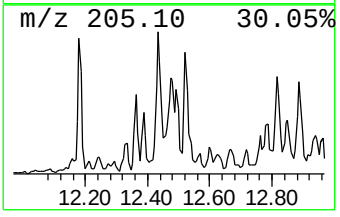












Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF083120\
Data File : BF121487.D
Acq On : 31 Aug 2020 20:03
Operator : JU/CG
Sample : L3847-11
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : LINDEN-JOP-BH-09-C

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF082720.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

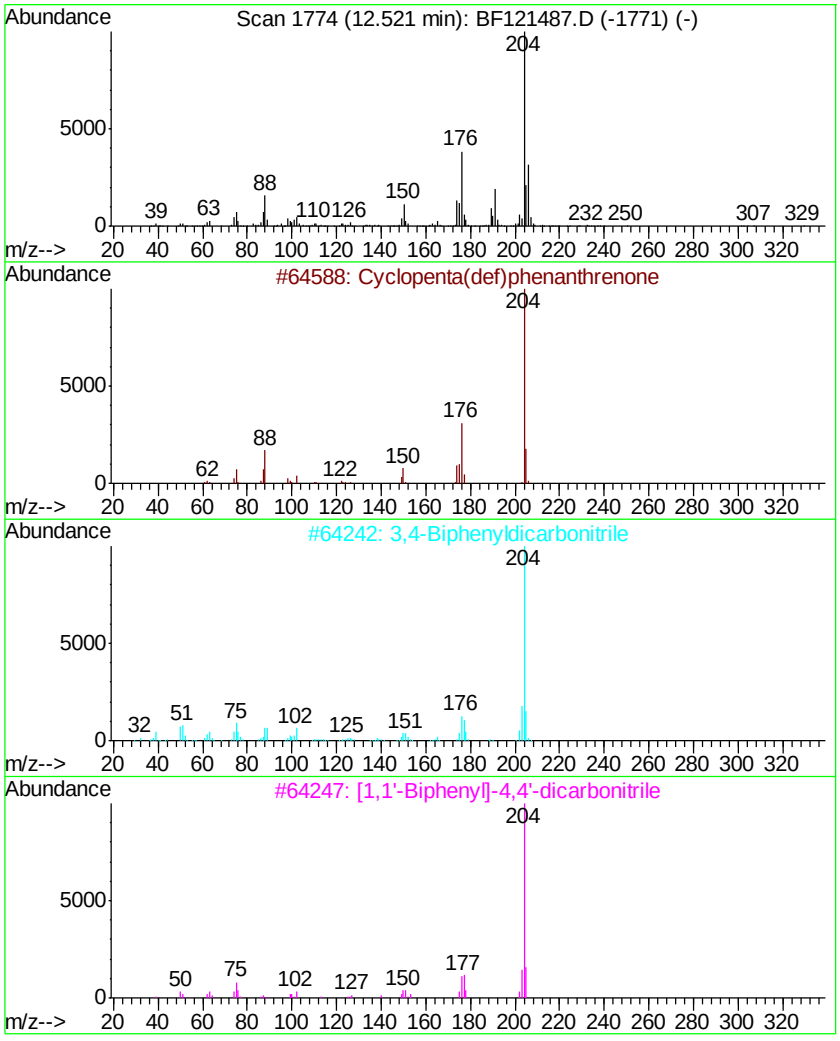
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

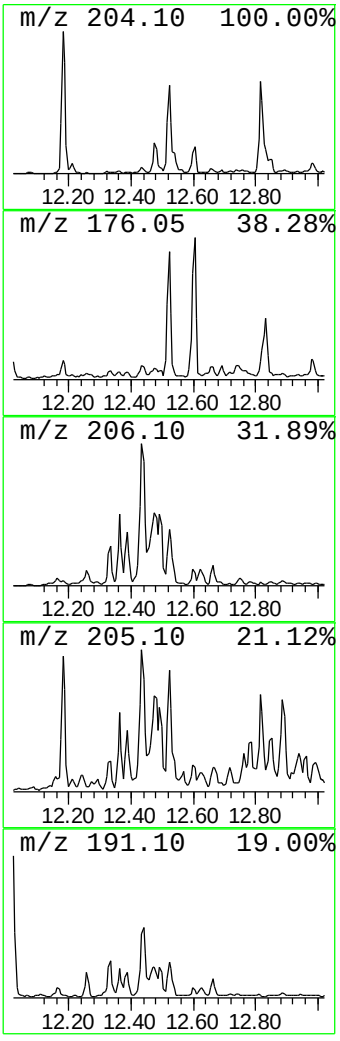
****

Peak Number 13 Cyclopenta(def)phenanthrenone Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.52	5.67 ng	683001	Phenanthrene-d10	11.39

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	97
2	3,4-Biphenyldicarbonitrile	204	C14H8N2	004128-63-6	53
3	[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	49
4	Tricyclo[5.1.0.0(2,4)]octane, 5-...	247	C17H29N	1000063-59-3	47
5	[1,1'-Biphenyl]-4-ol, 4'-chloro-	204	C12H9ClO	028034-99-3	43





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF083120\
Data File : BF121487.D
Acq On : 31 Aug 2020 20:03
Operator : JU/CG
Sample : L3847-11
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : LINDEN-JOP-BH-09-C

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF082720.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

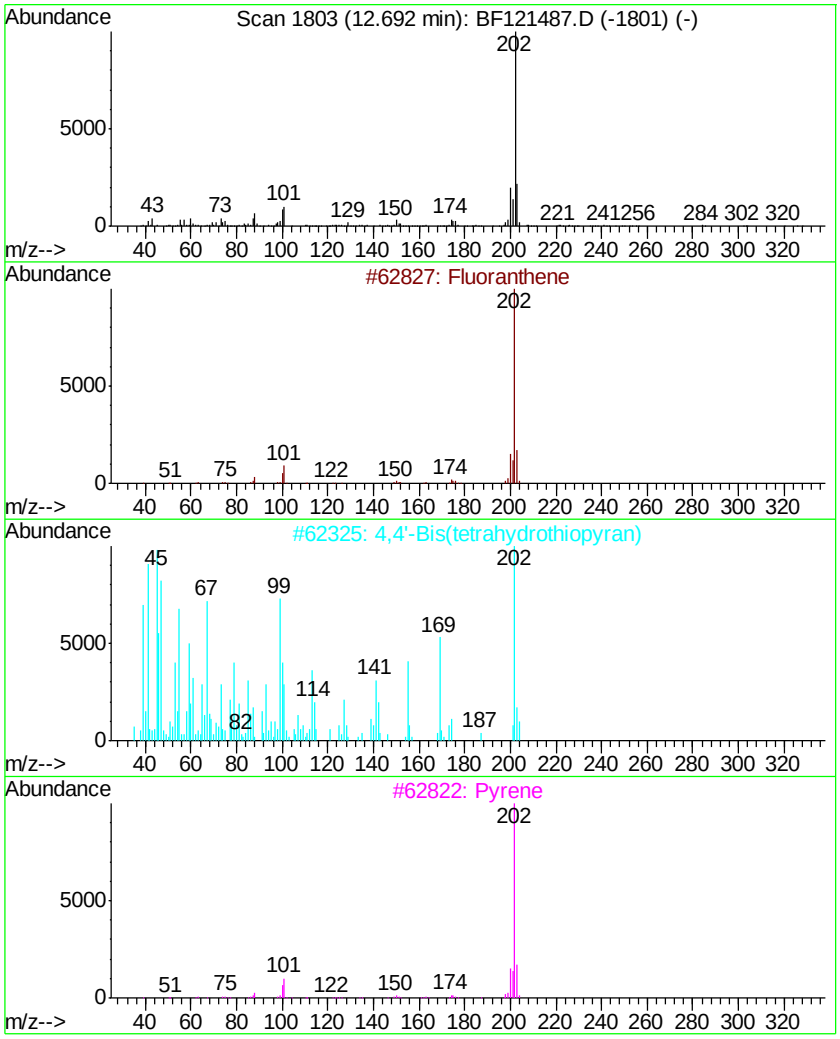
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

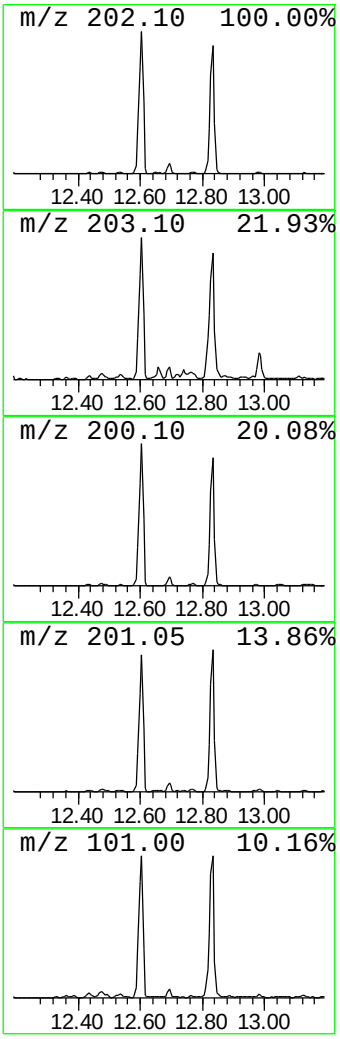
****

Peak Number 14 4,4'-Bis(tetrahydrothiopyran) Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.69	3.50 ng	421446	Phenanthrene-d10	11.39

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Fluoranthene	202	C16H10	000206-44-0	95
2	4,4'-Bis(tetrahydrothiopyran)	202	C10H18S2	116196-83-9	90
3	Pyrene	202	C16H10	000129-00-0	87
4	Benzene, 1,1'-(1,3-butadiyne-1,4...	202	C16H10	000886-66-8	74
5	l-Leucine, N-methyl-N-(2-methoxy...	485	C28H55NO5	1000328-55-1	37





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF083120\
Data File : BF121487.D
Acq On : 31 Aug 2020 20:03
Operator : JU/CG
Sample : L3847-11
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : LINDEN-JOP-BH-09-C

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF082720.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

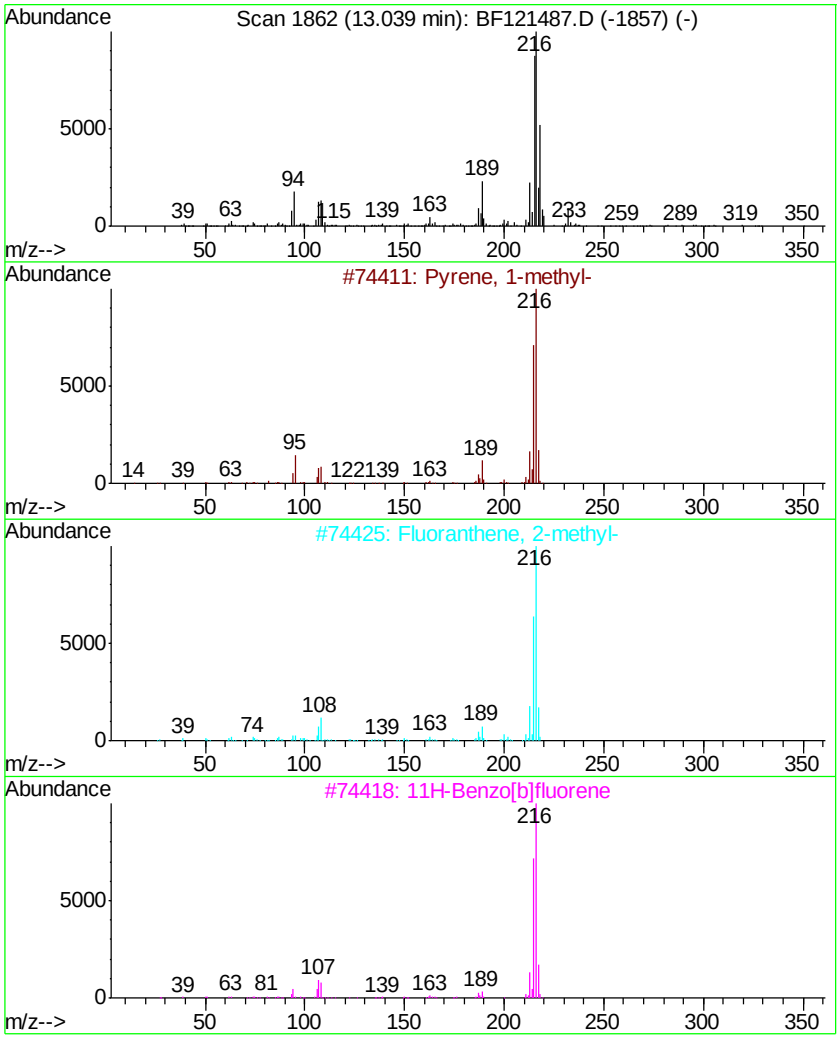
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

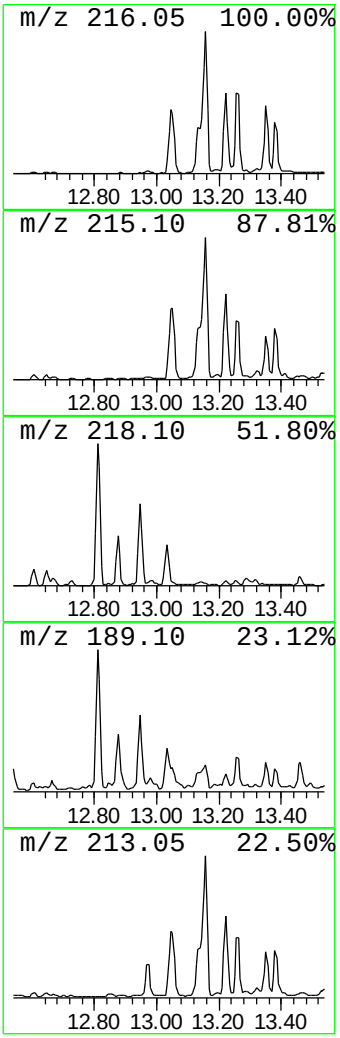
****

Peak Number 15 Pyrene, 1-methyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.04	3.70 ng	1108210	Chrysene-d12	14.03

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	96
2	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	93
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	87
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	87
5	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	72





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF083120\
Data File : BF121487.D
Acq On : 31 Aug 2020 20:03
Operator : JU/CG
Sample : L3847-11
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : LINDEN-JOP-BH-09-C

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF082720.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

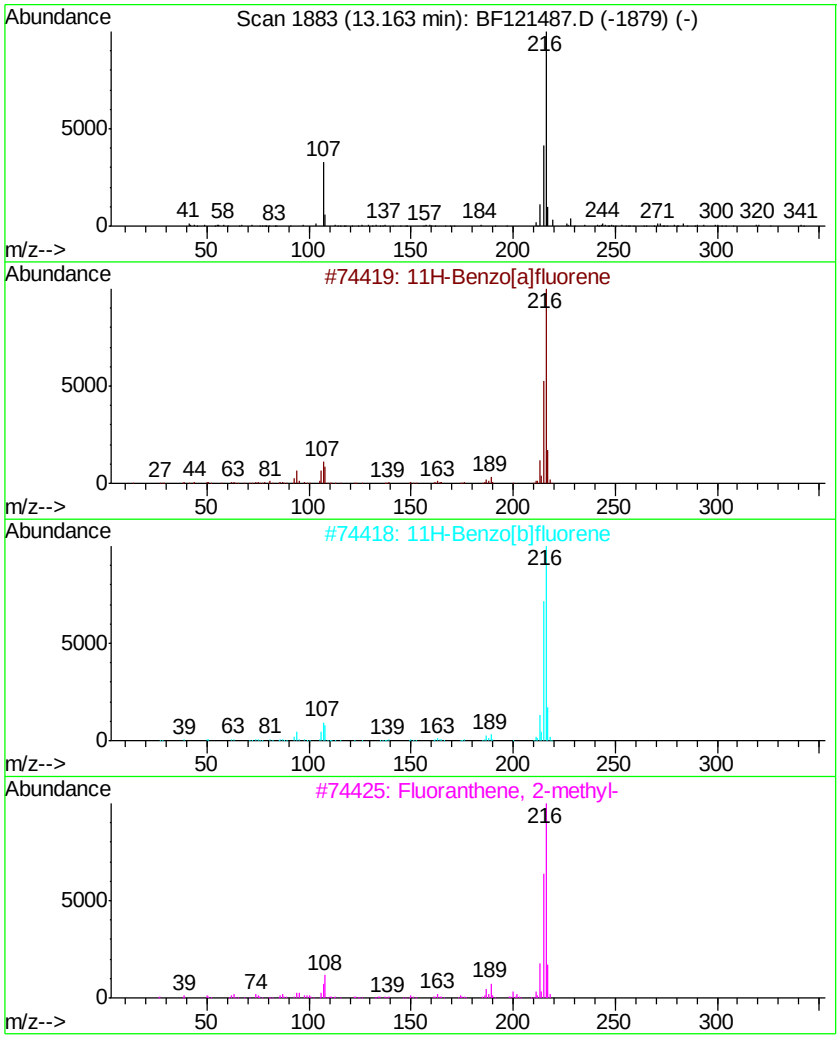
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

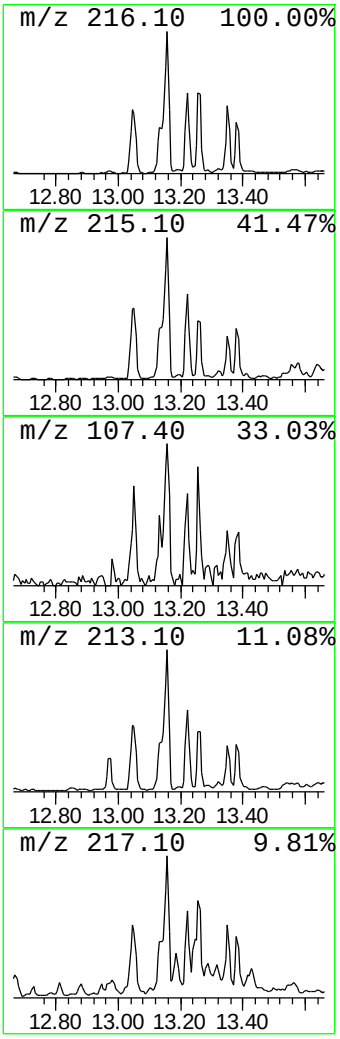
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.16	3.34 ng	1002400	Chrysene-d12	14.03

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	93
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	90
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	81
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	78
5	6H-Thiazolo[5,4-e]indole, 2,7,8-...	216	C12H12N2S	1000338-32-0	59





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF083120\
Data File : BF121487.D
Acq On : 31 Aug 2020 20:03
Operator : JU/CG
Sample : L3847-11
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : LINDEN-JOP-BH-09-C

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF082720.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

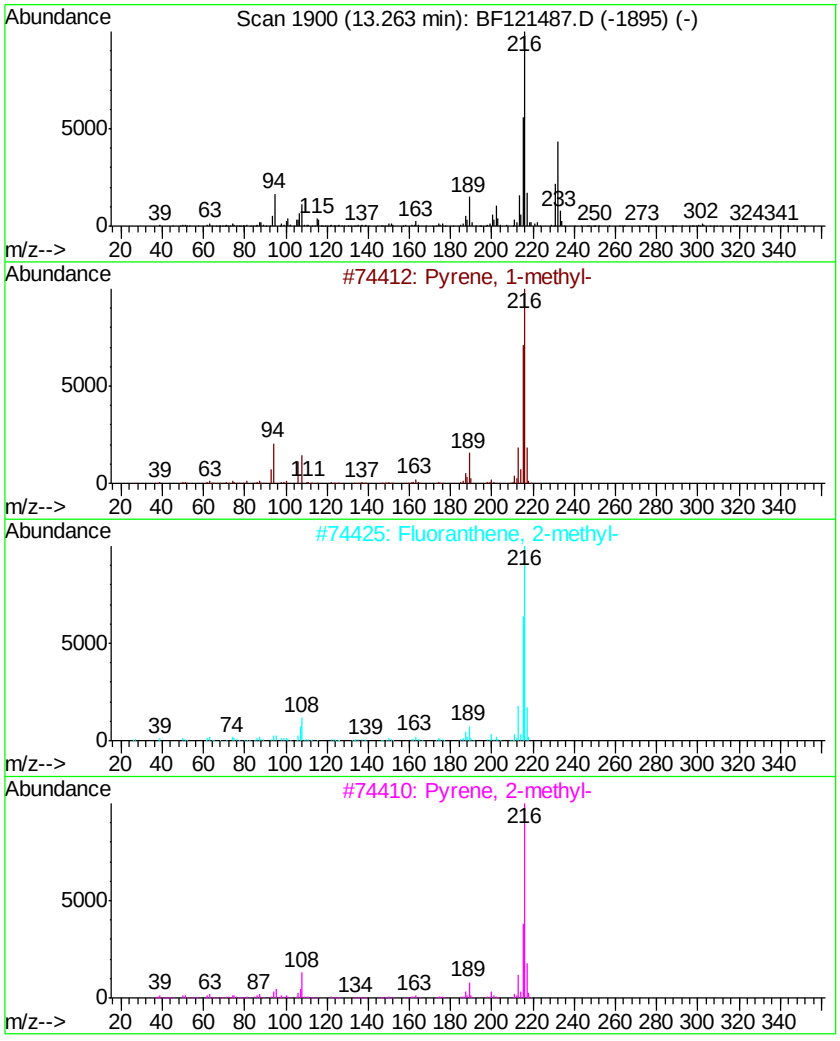
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

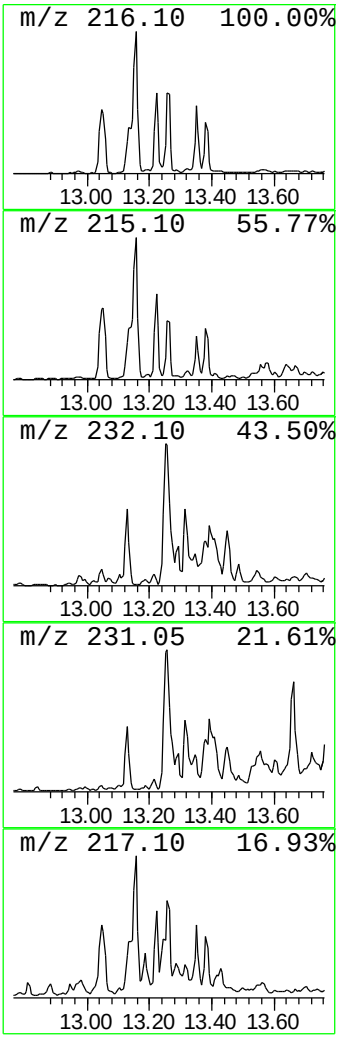
****

Peak Number 17 Fluoranthene, 2-methyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.26	3.26 ng	977020	Chrysene-d12	14.03

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	96
2	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	89
3	Pyrene, 2-methyl-	216	C17H12	003442-78-2	81
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	55
5	1-Pyrenemethanol	232	C17H12O	024463-15-8	43





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF083120\
Data File : BF121487.D
Acq On : 31 Aug 2020 20:03
Operator : JU/CG
Sample : L3847-11
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : LINDEN-JOP-BH-09-C

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF082720.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

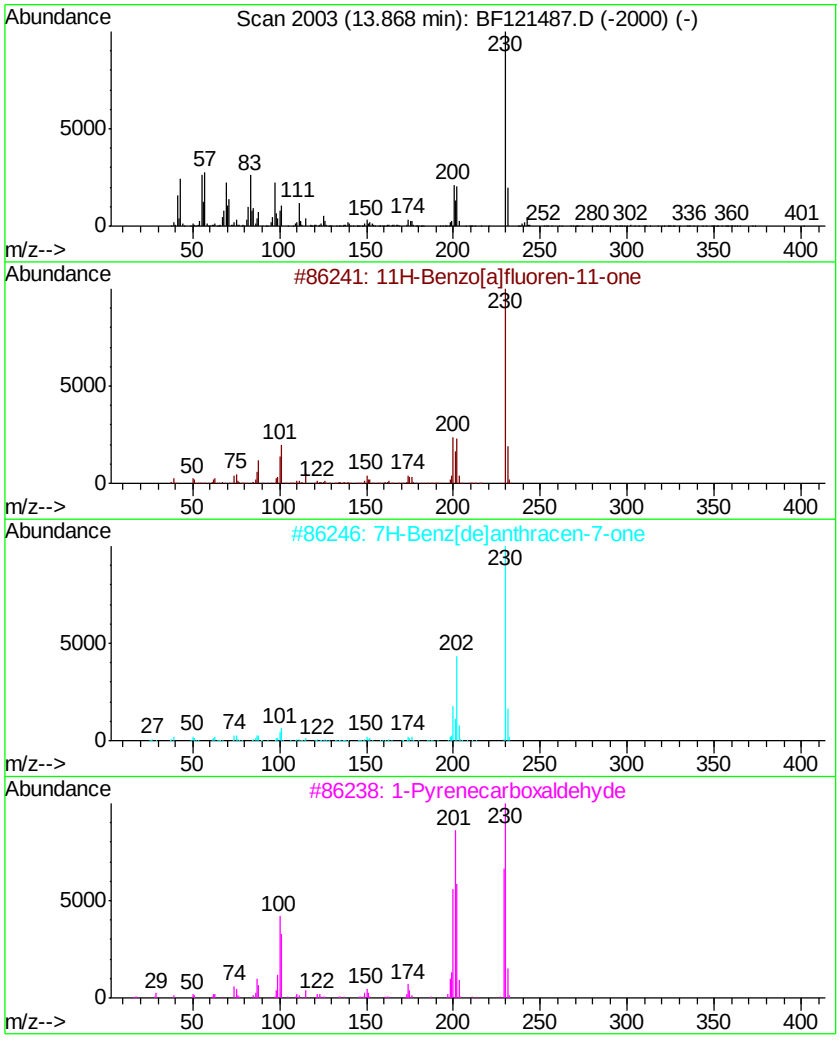
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

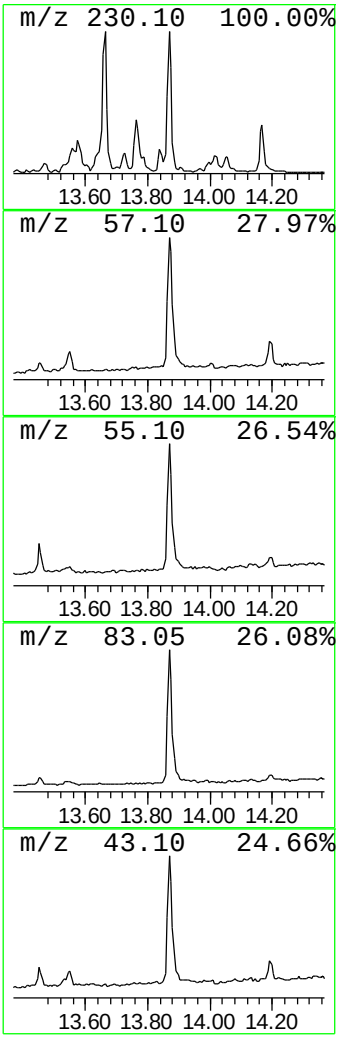
****

Peak Number 18 11H-Benzo[a]fluoren-11-one Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.87	4.68 ng	1401690	Chrysene-d12	14.03

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluoren-11-one	230	C17H10O	000479-79-8	95
2	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	78
3	1-Pyrenecarboxaldehyde	230	C17H10O	003029-19-4	50
4	6H-Benz[de]anthracen-6-one	230	C17H10O	080252-14-8	46
5	Pyrene, 1,3-dimethyl-	230	C18H14	064401-21-4	38





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF083120\
Data File : BF121487.D
Acq On : 31 Aug 2020 20:03
Operator : JU/CG
Sample : L3847-11
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : LINDEN-JOP-BH-09-C

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF082720.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

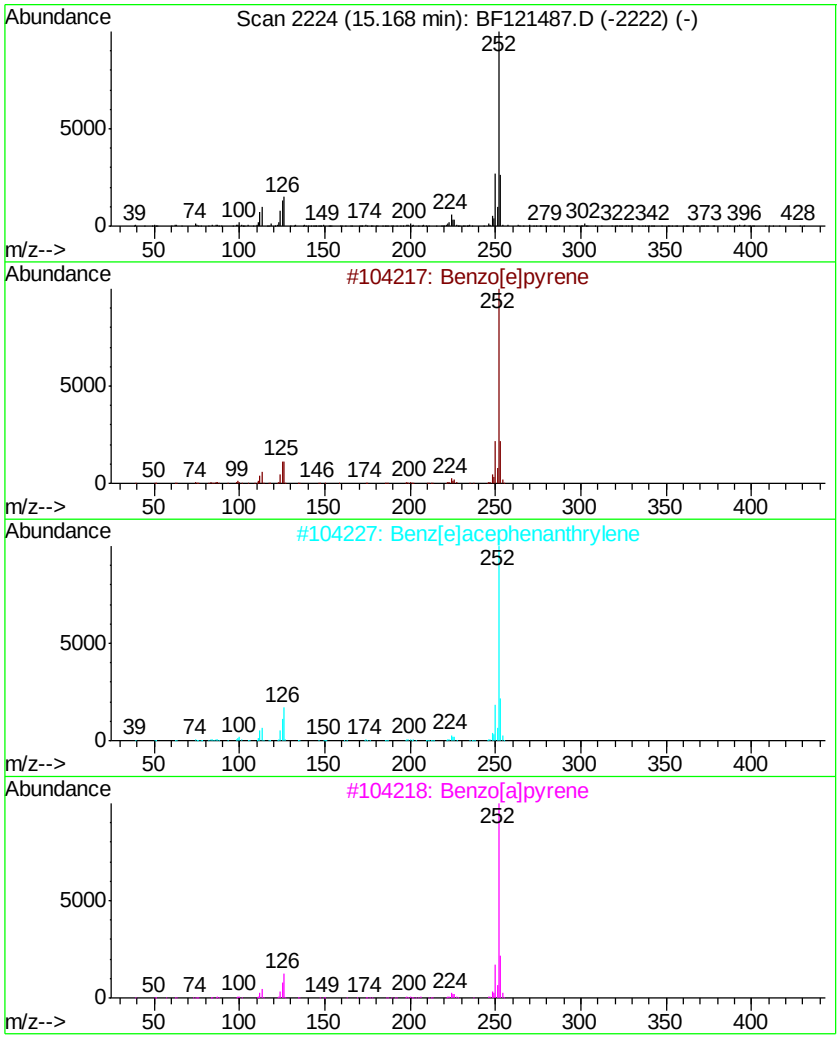
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

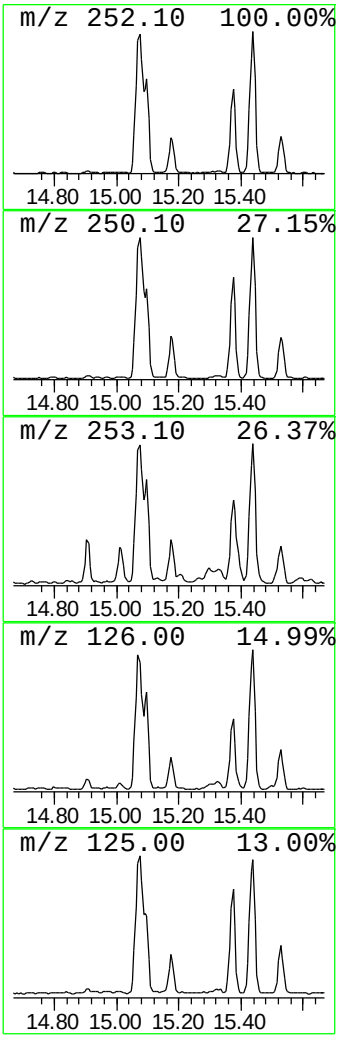
****

Peak Number 19 Benzo[e]pyrene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.17	6.42 ng	607333	Perylene-d12	15.50

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	96
2	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	93
3	Benzo[a]pyrene	252	C20H12	000050-32-8	93
4	Perylene	252	C20H12	000198-55-0	87
5	Benzo[k]fluoranthene	252	C20H12	000207-08-9	70





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF083120\
Data File : BF121487.D
Acq On : 31 Aug 2020 20:03
Operator : JU/CG
Sample : L3847-11
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : LINDEN-JOP-BH-09-C

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF082720.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

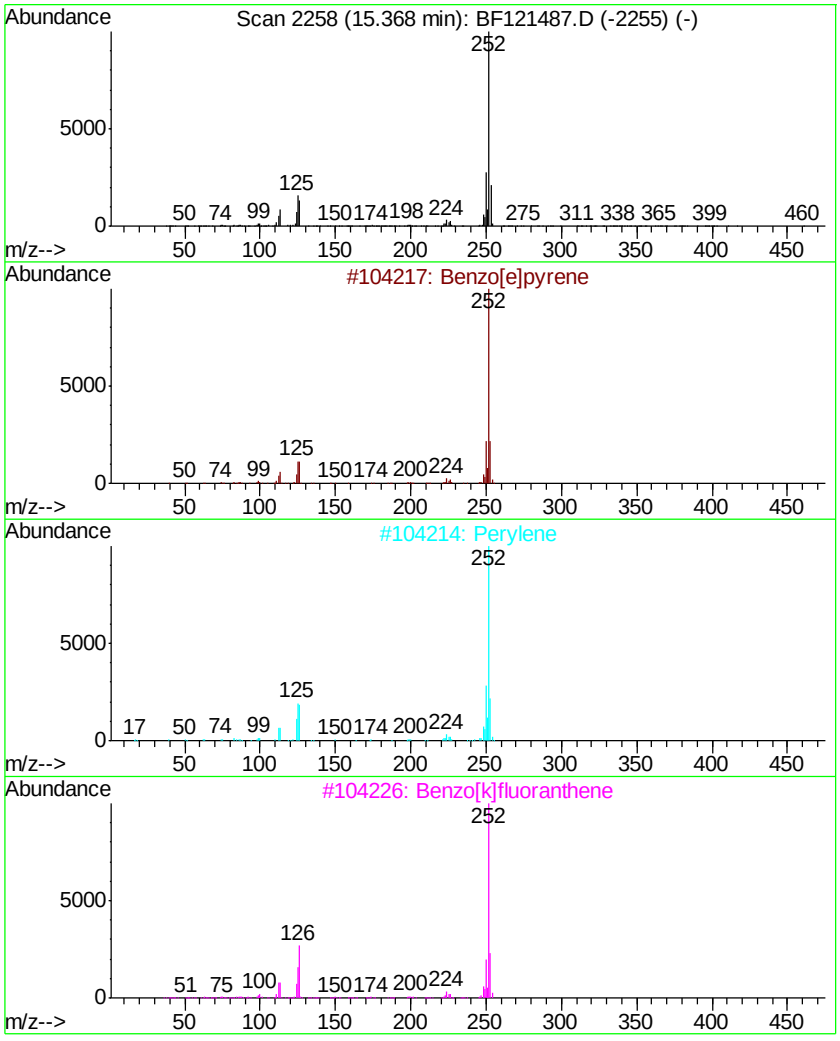
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

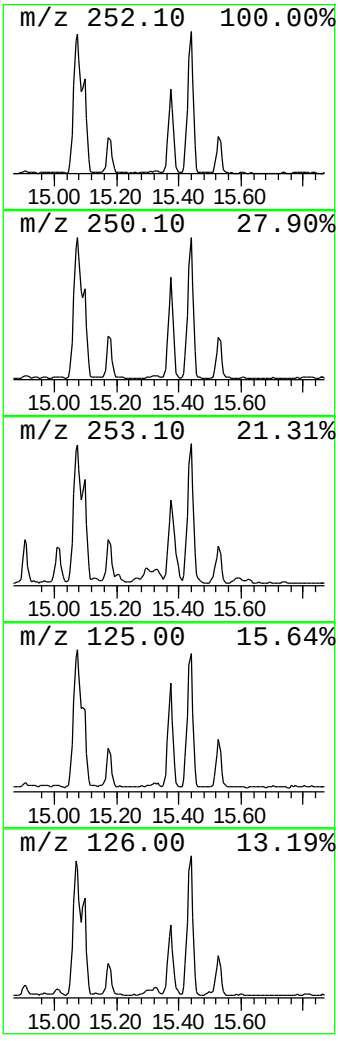
****

Peak Number 20 Perylene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.37	18.18 ng	1719520	Perylene-d12	15.50

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	98
2	Perylene	252	C20H12	000198-55-0	94
3	Benzo[k]fluoranthene	252	C20H12	000207-08-9	93
4	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	90
5	Benzo[a]pyrene	252	C20H12	000050-32-8	90





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF083120\
Data File : BF121487.D
Acq On : 31 Aug 2020 20:03
Operator : JU/CG
Sample : L3847-11
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : LINDEN-JOP-BH-09-C

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF082720.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...	2.14	20.2	ng	1817060	1	6.86	1797570	20.0
9H-Fluorene, 1-me...	10.99	3.0	ng	356531	4	11.39	2410330	20.0
unknown11.15	11.15	3.0	ng	365475	4	11.39	2410330	20.0
2,4,6-Trimethoxyb...	11.23	3.3	ng	395805	4	11.39	2410330	20.0
Pyrazolo[3,4-d]py...	11.79	3.9	ng	474372	4	11.39	2410330	20.0
Phenanthrene, 2-m...	11.89	6.5	ng	783807	4	11.39	2410330	20.0
Anthracene, 9-met...	11.92	13.2	ng	1587540	4	11.39	2410330	20.0
Anthracene, 2-met...	11.96	4.8	ng	576014	4	11.39	2410330	20.0
4H-Cyclopenta[def...	12.00	13.5	ng	1626920	4	11.39	2410330	20.0
Naphthalene, 2-ph...	12.18	6.0	ng	719224	4	11.39	2410330	20.0
di-p-Tolylacetylene	12.43	6.1	ng	732167	4	11.39	2410330	20.0
5H-Dibenzo[a,d]cy...	12.47	3.9	ng	469356	4	11.39	2410330	20.0
Cyclopenta(def)ph...	12.52	5.7	ng	683001	4	11.39	2410330	20.0
4,4'-Bis(tetrahyd...	12.69	3.5	ng	421446	4	11.39	2410330	20.0
Pyrene, 1-methyl-	13.04	3.7	ng	1108210	5	14.03	5994360	20.0
11H-Benzo[a]fluorene	13.16	3.3	ng	1002400	5	14.03	5994360	20.0
Fluoranthene, 2-m...	13.26	3.3	ng	977020	5	14.03	5994360	20.0
11H-Benzo[a]fluor...	13.87	4.7	ng	1401690	5	14.03	5994360	20.0
Benzo[e]pyrene	15.17	6.4	ng	607333	6	15.50	1891640	20.0
Perylene	15.37	18.2	ng	1719520	6	15.50	1891640	20.0