LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF081320\
Data File : BF121284.D
Acq On : 13 Aug 2020 22:12
Operator : JU/CG
Sample : L3504-01 5X
Misc :
ALS Vial : 21 Sample Multiplier: 2

Instrument : BNA_F
ClientSampleId : EO-02-081120

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-BF081320.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	5.322	546	550	565	rBV	301992	313453	11.23%	1.056%
2	6.351	722	725	735	rBV	347778	326776	11.71%	1.101%
3	6.722	784	788	791	rBV	737298	603529	21.63%	2.033%
4	7.281	880	883	888	rBV	275329	213744	7.66%	0.720%
5	8.004	1000	1006	1009	rBV	1080609	820600	29.41%	2.764%
6	8.816	1141	1144	1148	rVB2	30961	30596	1.10%	0.103%
7	9.075	1185	1188	1192	rBV	581154	456620	16.37%	1.538%
8	9.163	1197	1203	1207	rBV2	54835	57845	2.07%	0.195%
9	9.345	1230	1234	1237	rVB3	22271	30414	1.09%	0.102%
10	9.416	1243	1246	1248	rBV	38749	32276	1.16%	0.109%
11	9.475	1252	1256	1259	rBV2	80060	91385	3.28%	0.308%
12	9.534	1264	1266	1271	rVB3	27406	34444	1.23%	0.116%
13	9.616	1277	1280	1286	rVB	54267	57516	2.06%	0.194%
14	9.692	1290	1293	1297	rVB	55061	43307	1.55%	0.146%
15	9.751	1300	1303	1307	rVV	1058906	916019	32.83%	3.085%
16	9.786	1307	1309	1312	rVB	108511	84516	3.03%	0.285%
17	9.957	1335	1338	1342	rVB	96745	76926	2.76%	0.259%
18	10.069	1354	1357	1360	rBV2	30110	30204	1.08%	0.102%
19	10.186	1374	1377	1380	rVB2	40503	37158	1.33%	0.125%
20	10.298	1392	1396	1402	rBV	193983	170432	6.11%	0.574%
21	10.457	1420	1423	1427	rVB	81895	70214	2.52%	0.236%
22	10.539	1432	1437	1441	rVV	332585	308479	11.06%	1.039%
23	10.586	1441	1445	1449	rVB3	21505	30832	1.11%	0.104%
24	10.663	1455	1458	1465	rVB2	70032	86036	3.08%	0.290%
25	10.845	1484	1489	1492	rBV2	66354	83623	3.00%	0.282%
26	10.928	1500	1503	1506	rVB4	32159	34771	1.25%	0.117%
27	10.975	1506	1511	1513	rVV3	61773	71557	2.56%	0.241%
28	10.998	1513	1515	1517	rVV	67231	57862	2.07%	0.195%
29	11.039	1520	1522	1526	rVV2	36481	39832	1.43%	0.134%
30	11.086	1526	1530	1533	rVV	68108	74775	2.68%	0.252%
31	11.133	1536	1538	1543	rVB	107214	98492	3.53%	0.332%
32	11.239	1552	1556	1557	rBV	949715	879287	31.51%	2.962%
33	11.263	1557	1560	1563	rVV	1746478	1458980	52.29%	4.914%
34	11.310	1565	1568	1571	rVB	618873	483096	17.31%	1.627%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF081320\
Data File : BF121284.D
Acq On : 13 Aug 2020 22:12
Operator : JU/CG
Sample : L3504-01 5X
Misc :
ALS Vial : 21 Sample Multiplier: 2

Instrument : BNA_F
ClientSampleId : EO-02-081120

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-BF081320.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	11.345	1571	1574	1577	rBV2	40736	40855	1.46%	0.138%
36	11.469	1592	1595	1597	rBV	56709	50774	1.82%	0.171%
37	11.486	1597	1598	1604	rVV3	34869	47160	1.69%	0.159%
38	11.533	1604	1606	1609	rVV	85381	66848	2.40%	0.225%
39	11.563	1609	1611	1617	rVB3	36291	50658	1.82%	0.171%
40	11.739	1635	1641	1643	rBV	246738	241532	8.66%	0.814%
41	11.763	1643	1645	1649	rVB	371163	312095	11.19%	1.051%
42	11.810	1649	1653	1656	rBV	186210	167838	6.02%	0.565%
43	11.851	1656	1660	1662	rBV	431311	472207	16.92%	1.590%
44	12.033	1688	1691	1693	rBV	224347	183820	6.59%	0.619%
45	12.057	1693	1695	1699	rVB2	74332	64104	2.30%	0.216%
46	12.180	1711	1716	1719	rBV2	77205	80881	2.90%	0.272%
47	12.210	1719	1721	1723	rVV	68094	59065	2.12%	0.199%
48	12.233	1723	1725	1728	rVB	59224	49778	1.78%	0.168%
49	12.286	1730	1734	1737	rBV	146249	167439	6.00%	0.564%
50	12.322	1737	1740	1742	rVV2	106206	135261	4.85%	0.456%
51	12.369	1746	1748	1754	rBV	144913	154692	5.54%	0.521%
52	12.451	1757	1762	1765	rBV	2847688	2587894	92.75%	8.716%
53	12.510	1770	1772	1775	rVB	55335	50852	1.82%	0.171%
54	12.598	1780	1787	1791	rBV2	111067	194239	6.96%	0.654%
55	12.680	1794	1801	1804	rBV2	2259478	2790063	100.00%	9.397%
56	12.722	1806	1808	1814	rVB2	119534	143370	5.14%	0.483%
57	12.792	1817	1820	1822	rBV	182487	168632	6.04%	0.568%
58	12.816	1822	1824	1831	rVB2	513959	525792	18.85%	1.771%
59	12.892	1831	1837	1841	rBV2	186482	320794	11.50%	1.080%
60	12.974	1848	1851	1853	rBV3	132371	152581	5.47%	0.514%
61	13.004	1853	1856	1859	rVB	442502	396630	14.22%	1.336%
62	13.069	1859	1867	1870	rBV	365786	372022	13.33%	1.253%
63	13.104	1870	1873	1876	rBV2	270284	277453	9.94%	0.934%
64	13.163	1881	1883	1885	rBV	52393	37806	1.36%	0.127%
65	13.198	1886	1889	1891	rVB	111360	89708	3.22%	0.302%
66	13.227	1891	1894	1898	rBV2	136279	140583	5.04%	0.474%
67	13.404	1917	1924	1926	rBV5	71159	128480	4.60%	0.433%
68	13.486	1935	1938	1939	rBV	58217	59790	2.14%	0.201%
69	13.510	1939	1942	1946	rVB	133569	158263	5.67%	0.533%
70	13.621	1957	1961	1963	rBV2	176225	191617	6.87%	0.645%
71	13.645	1963	1965	1967	rVV	201181	174479	6.25%	0.588%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF081320\
Data File : BF121284.D
Acq On : 13 Aug 2020 22:12
Operator : JU/CG
Sample : L3504-01 5X
Misc :
ALS Vial : 21 Sample Multiplier: 2

Instrument : BNA_F
ClientSampleId : EO-02-081120

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-BF081320.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	13.669	1967	1969	1975	rVV3	171852	247918	8.89%	0.835%
73	13.716	1975	1977	1981	rVB	142037	131441	4.71%	0.443%
74	13.863	1996	2002	2006	rBV2	1521070	2233890	80.07%	7.524%
75	13.898	2006	2008	2011	rVB	1097890	843377	30.23%	2.841%
76	13.974	2018	2021	2024	rBV	226982	172796	6.19%	0.582%
77	14.080	2037	2039	2041	rBV	48983	51799	1.86%	0.174%
78	14.127	2045	2047	2050	rBV2	40909	36848	1.32%	0.124%
79	14.221	2061	2063	2065	rBV	58505	44511	1.60%	0.150%
80	14.257	2065	2069	2072	rBV	250126	246048	8.82%	0.829%
81	14.292	2072	2075	2078	rVB2	104501	101029	3.62%	0.340%
82	14.351	2082	2085	2087	rVB2	112130	102148	3.66%	0.344%
83	14.380	2087	2090	2092	rBV	114537	115916	4.15%	0.390%
84	14.563	2119	2121	2123	rBV2	70123	59401	2.13%	0.200%
85	14.886	2172	2176	2179	rBV	959684	1413566	50.66%	4.761%
86	14.986	2190	2193	2197	rVB	217547	227095	8.14%	0.765%
87	15.174	2221	2225	2230	rVB	571785	692881	24.83%	2.334%
88	15.233	2231	2235	2240	rBV	992598	1085944	38.92%	3.658%
89	15.292	2241	2245	2248	rVV	553307	738528	26.47%	2.487%
90	15.321	2248	2250	2257	rVB	279754	326432	11.70%	1.099%
91	16.662	2473	2478	2486	rVB2	384986	752879	26.98%	2.536%
92	17.080	2543	2549	2557	rBV	275719	554055	19.86%	1.866%

Sum of corrected areas: 29690153

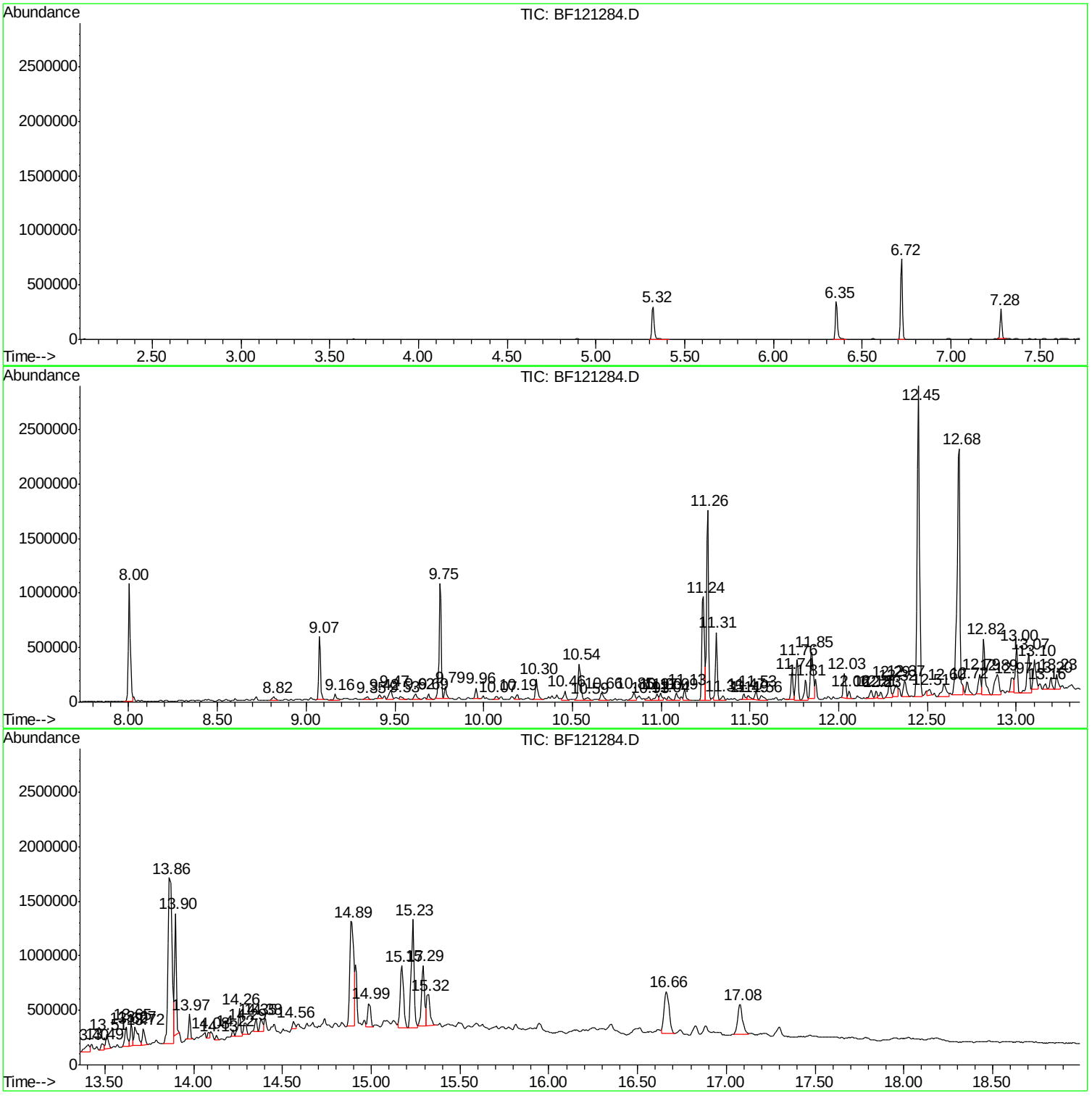
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF081320\
Data File : BF121284.D
Acq On : 13 Aug 2020 22:12
Operator : JU/CG
Sample : L3504-01 5X
Misc :
ALS Vial : 21 Sample Multiplier: 2

Instrument :
BNA_F
ClientSampleId :
EO-02-081120

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF081320.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\BF081320\
Data File : BF121284.D
Acq On : 13 Aug 2020 22:12
Operator : JU/CG
Sample : L3504-01 5X
Misc :
ALS Vial : 21 Sample Multiplier: 2

Instrument : BNA_F
ClientSampleId : EO-02-081120

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF081320.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

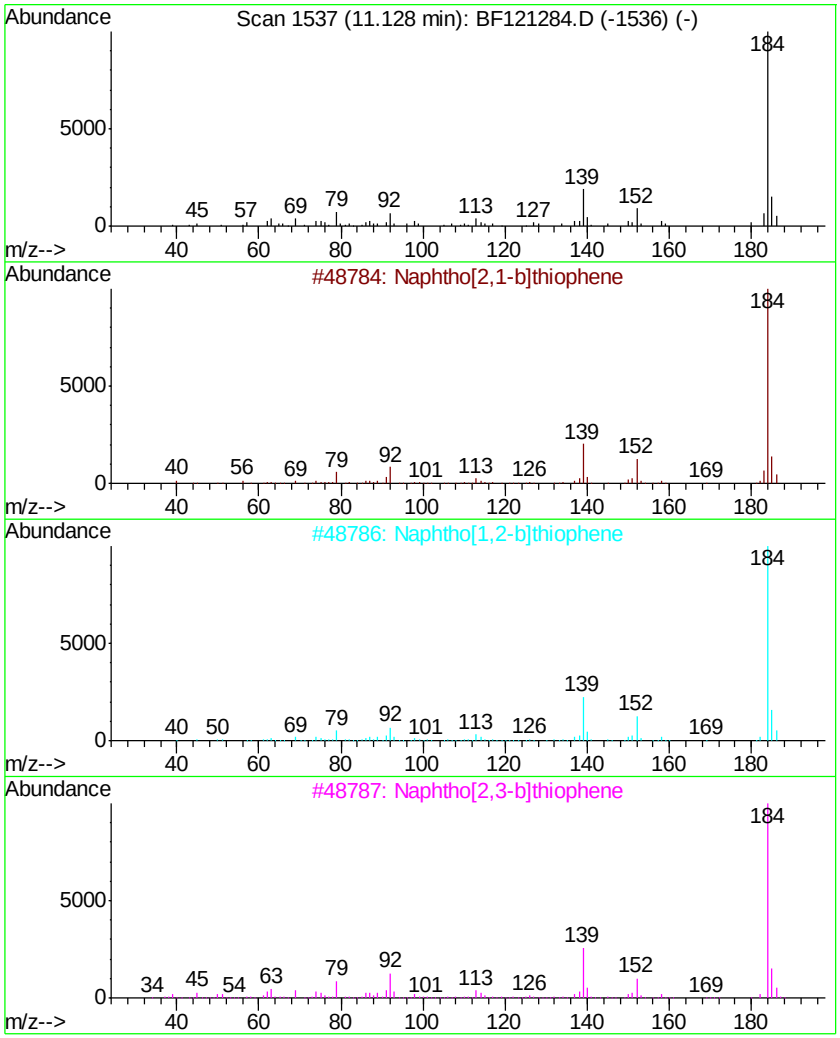
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

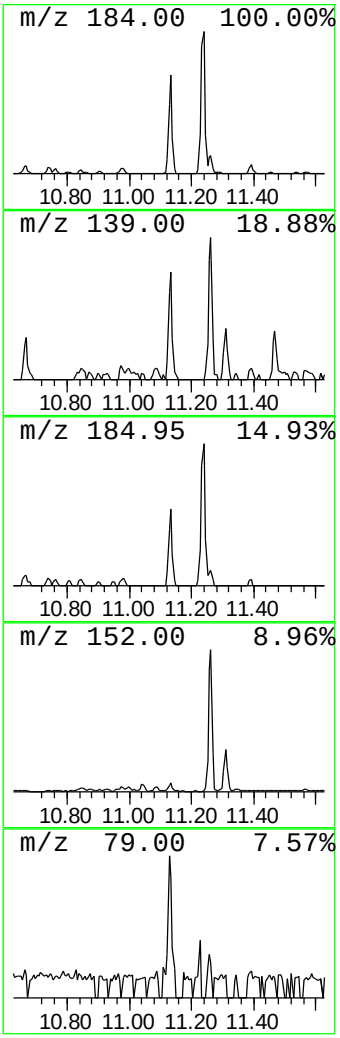
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.13	2.24 ng	98492	Phenanthrene-d10	11.24

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	95
3	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	95
4	Dibenzothiophene	184	C12H8S	000132-65-0	94
5	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	91





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF081320\
Data File : BF121284.D
Acq On : 13 Aug 2020 22:12
Operator : JU/CG
Sample : L3504-01 5X
Misc :
ALS Vial : 21 Sample Multiplier: 2

Instrument : BNA_F
ClientSampleId : EO-02-081120

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF081320.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

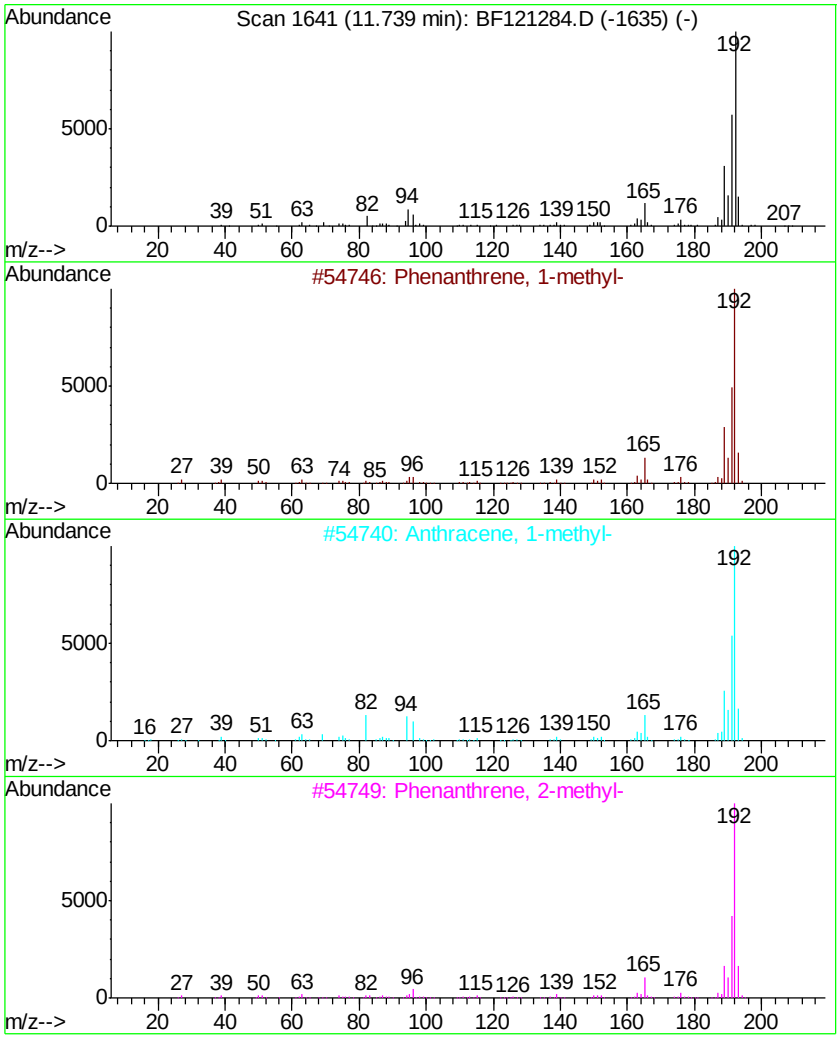
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

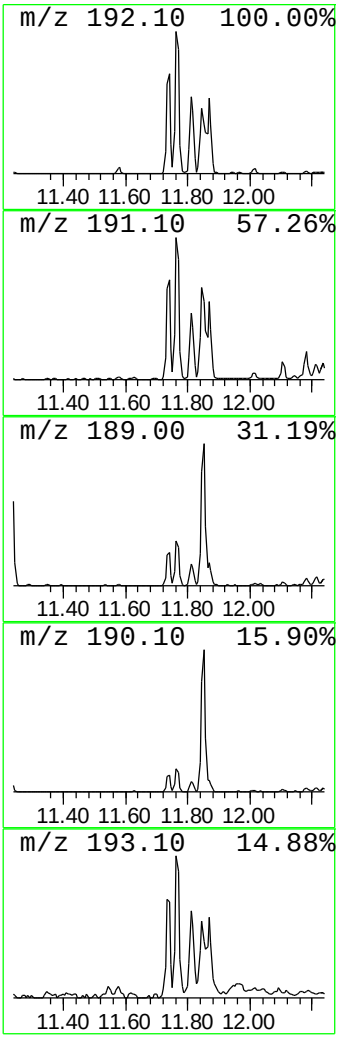
****

Peak Number 2 Phenanthrene, 1-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.74	5.49 ng	241532	Phenanthrene-d10	11.24

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
2	Anthracene, 1-methyl-	192	C15H12	000610-48-0	91
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	91
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	90
5	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	90





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF081320\
Data File : BF121284.D
Acq On : 13 Aug 2020 22:12
Operator : JU/CG
Sample : L3504-01 5X
Misc :
ALS Vial : 21 Sample Multiplier: 2

Instrument : BNA_F
ClientSampleId : EO-02-081120

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF081320.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

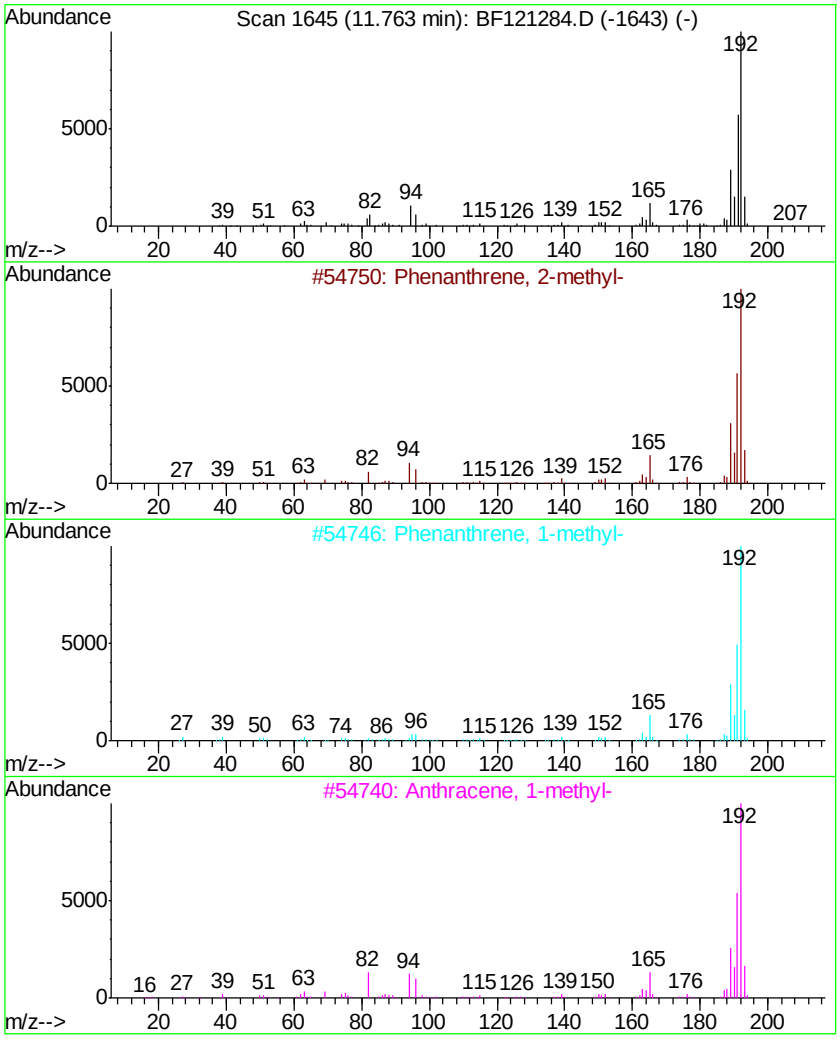
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

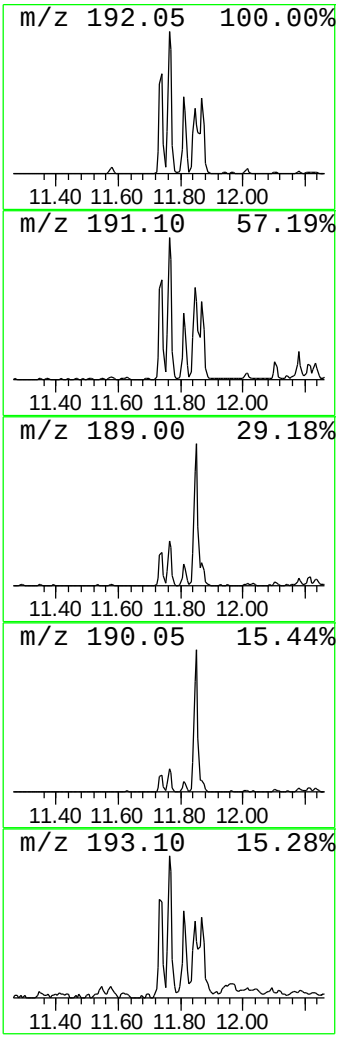
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.76	7.10 ng	312095	Phenanthrene-d10	11.24

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	98
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
3	Anthracene, 1-methyl-	192	C15H12	000610-48-0	96
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
5	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	95





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF081320\
Data File : BF121284.D
Acq On : 13 Aug 2020 22:12
Operator : JU/CG
Sample : L3504-01 5X
Misc :
ALS Vial : 21 Sample Multiplier: 2

Instrument : BNA_F
ClientSampleId : EO-02-081120

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF081320.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

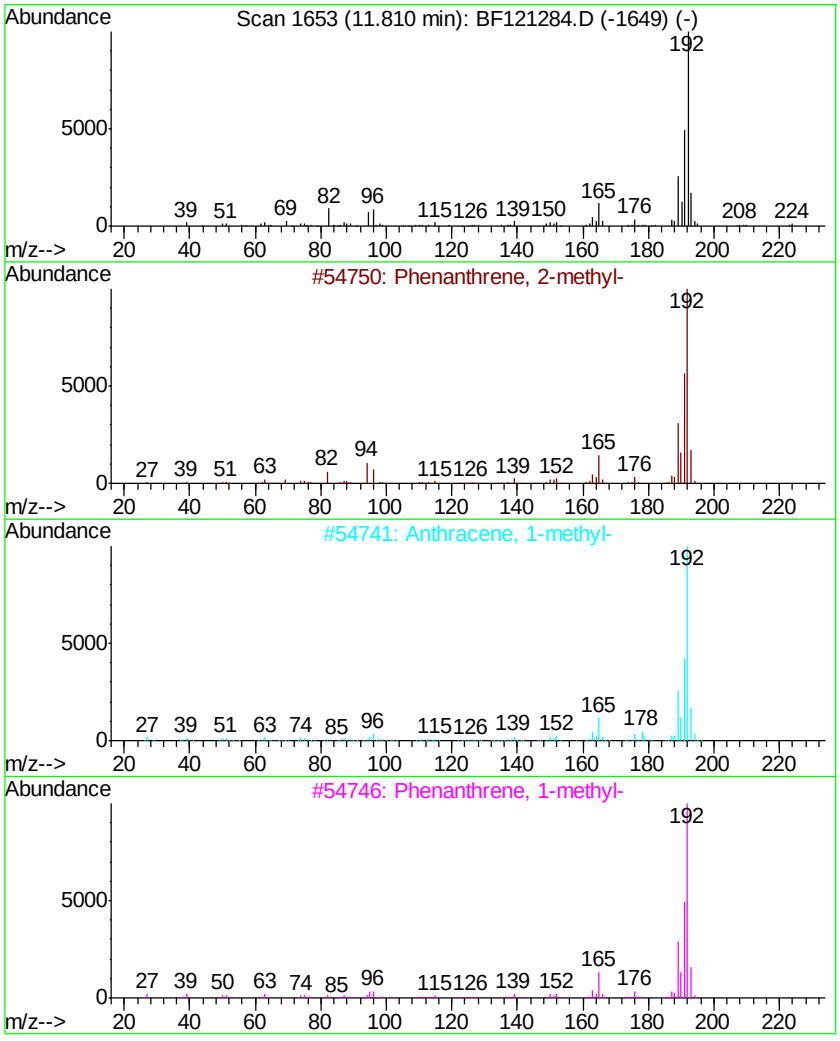
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

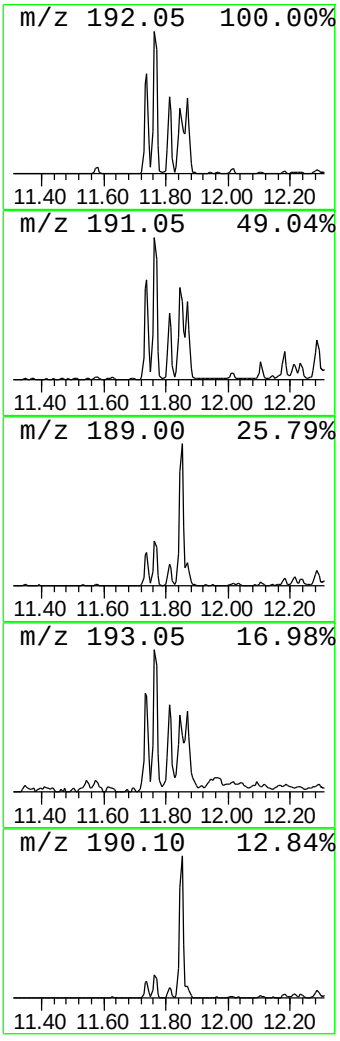
****

Peak Number 4 Anthracene, 1-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.81	3.82 ng	167838	Phenanthrene-d10	11.24

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	97
2	Anthracene, 1-methyl-	192	C15H12	000610-48-0	96
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
5	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	94





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF081320\
Data File : BF121284.D
Acq On : 13 Aug 2020 22:12
Operator : JU/CG
Sample : L3504-01 5X
Misc :
ALS Vial : 21 Sample Multiplier: 2

Instrument : BNA_F
ClientSampleId : EO-02-081120

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF081320.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

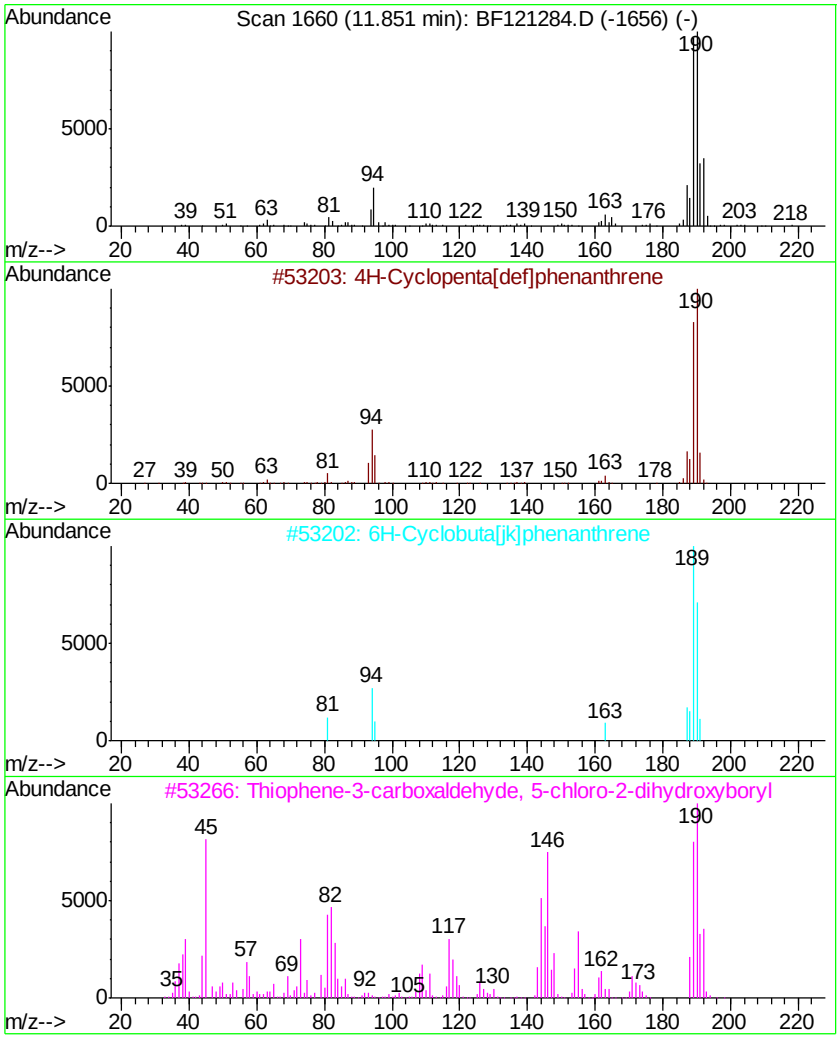
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

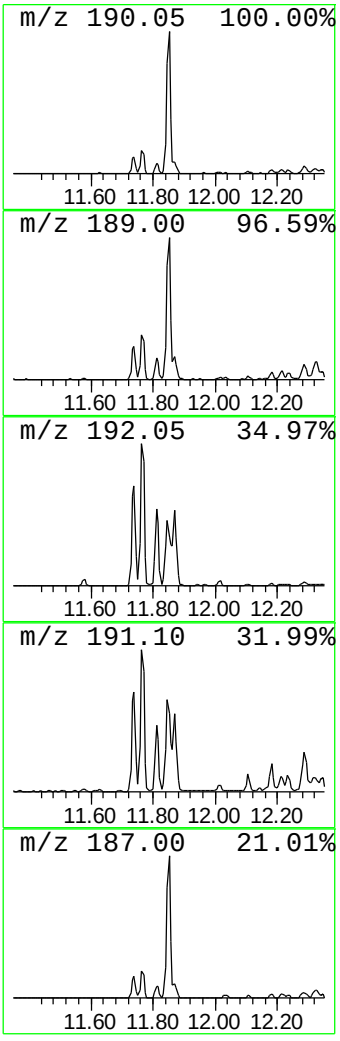
****

Peak Number 5 4H-Cyclopenta[def]phenanthrene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.85	10.74 ng	472207	Phenanthrene-d10	11.24

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	94
2	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	64
3	Thiophene-3-carboxaldehyde, 5-ch...	190	C5H4BClO3S	036155-87-0	52
4	2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	50
5	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	45





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF081320\
Data File : BF121284.D
Acq On : 13 Aug 2020 22:12
Operator : JU/CG
Sample : L3504-01 5X
Misc :
ALS Vial : 21 Sample Multiplier: 2

Instrument : BNA_F
ClientSampleId : EO-02-081120

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF081320.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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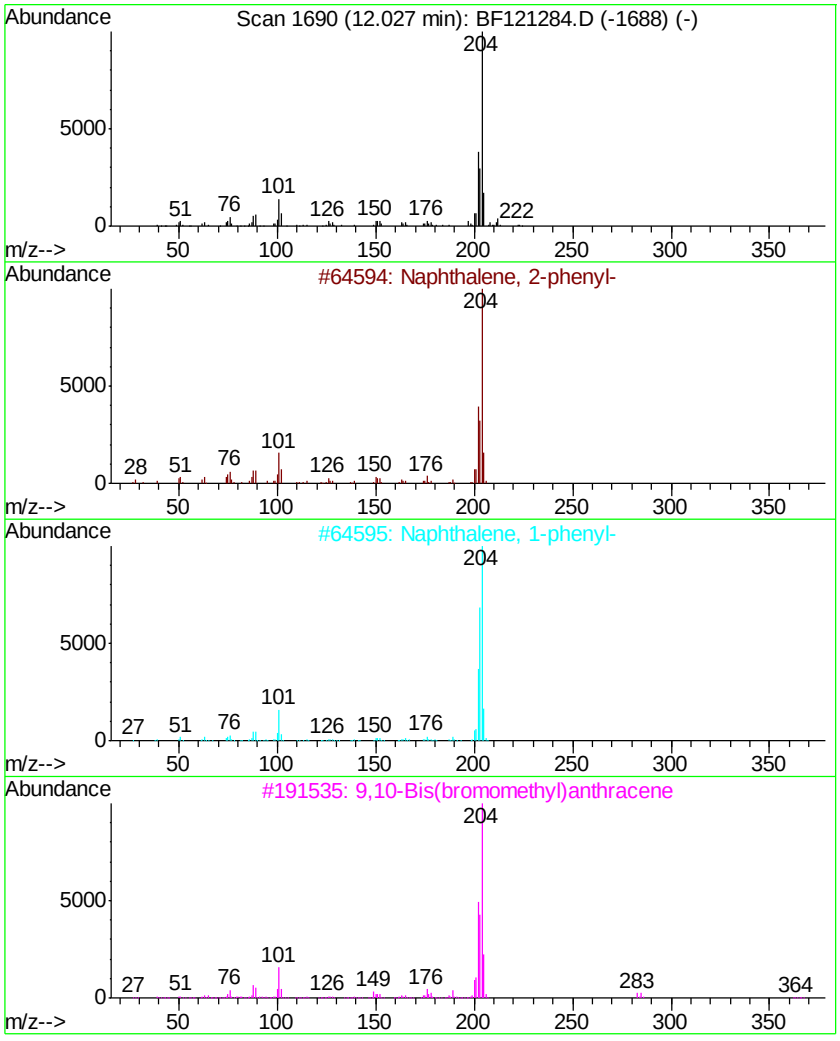
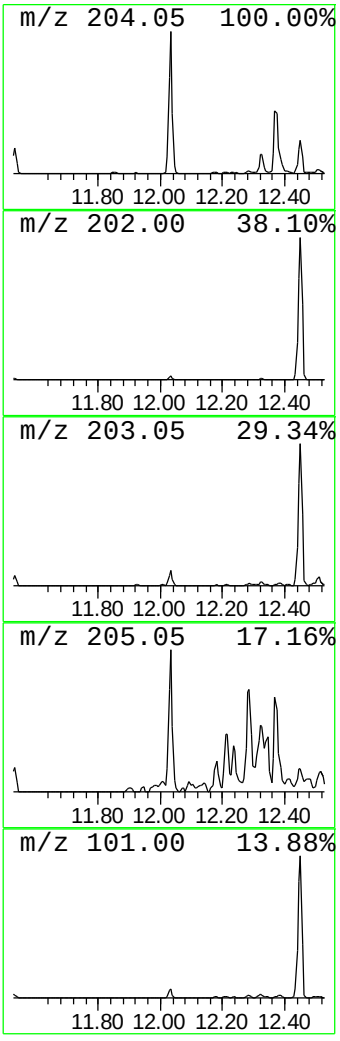
Peak Number 6 Naphthalene, 2-phenyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.03	4.18 ng	183820	Phenanthrene-d10	11.24

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	94
2	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	64
3	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	58
4	[1,1'-Biphenyl]-2,2'-dicarbonitrile	204	C14H8N2	004341-02-0	52
5	Levamisole	204	C11H12N2S	014769-73-4	52





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Acq On : 13 Aug 2020 22:12
Operator : JU/CG
Sample : L3504-01 5X
Misc :
ALS Vial : 21 Sample Multiplier: 2

Instrument : BNA_F
ClientSampleId : EO-02-081120

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF081320.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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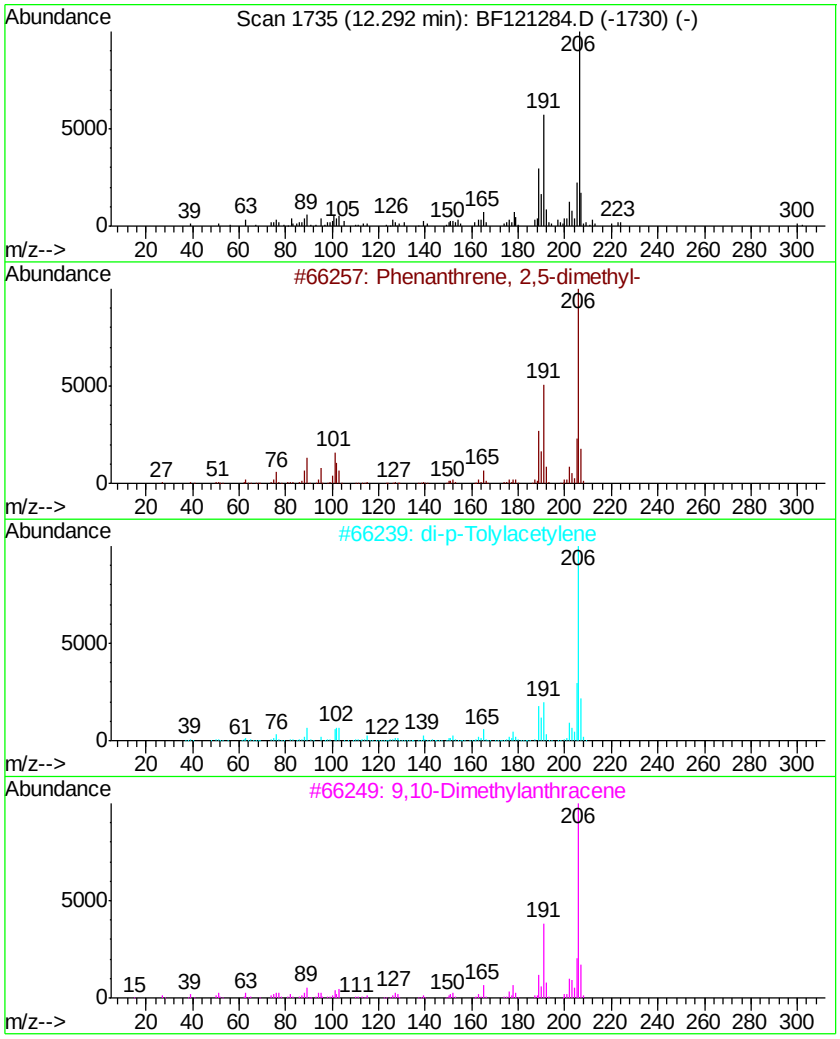
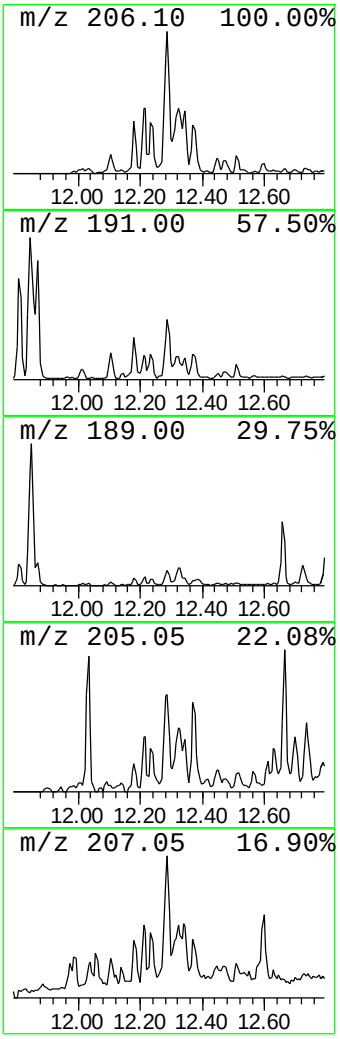
Peak Number 7 Phenanthrene, 2,5-dimethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.29	3.81 ng	167439	Phenanthrene-d10	11.24

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	97
2	di-p-Tolylacetylene	206	C16H14	002789-88-0	95
3	9,10-Dimethylanthracene	206	C16H14	000781-43-1	93
4	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	93
5	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	93





Library Search Compound Report

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Sample : L3504-01 5X
Misc :
ALS Vial : 21 Sample Multiplier: 2

Instrument : BNA_F
ClientSampleId : EO-02-081120

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

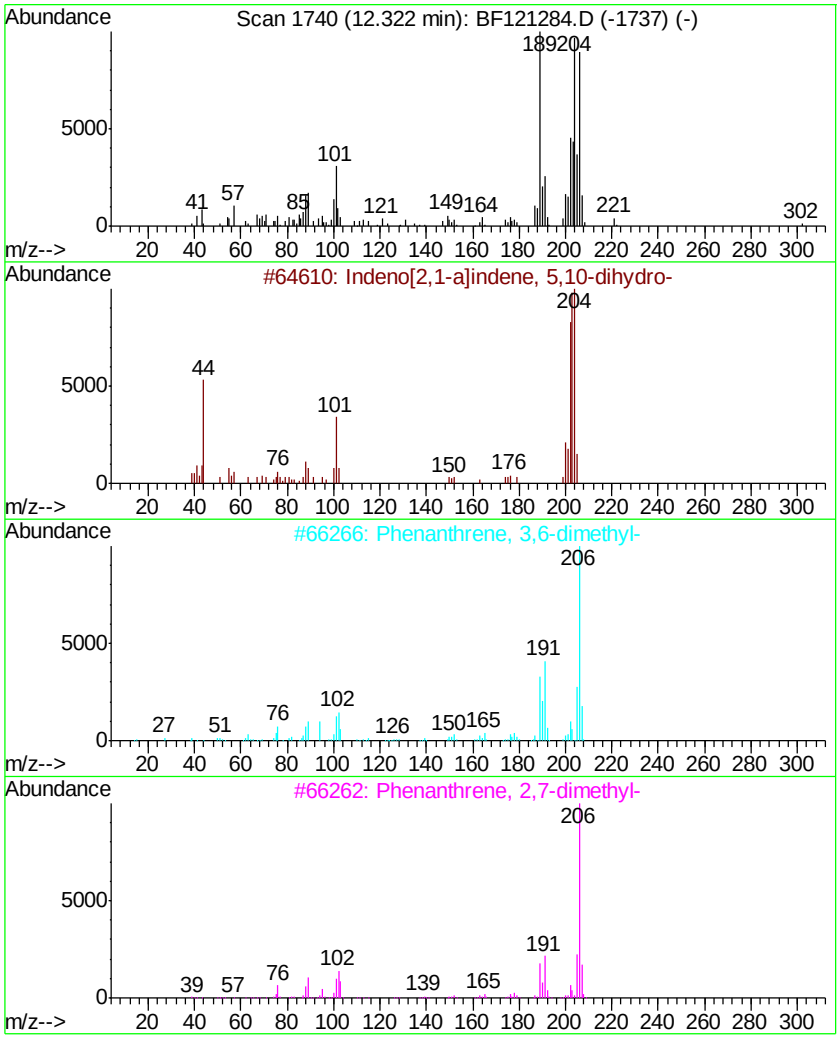
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

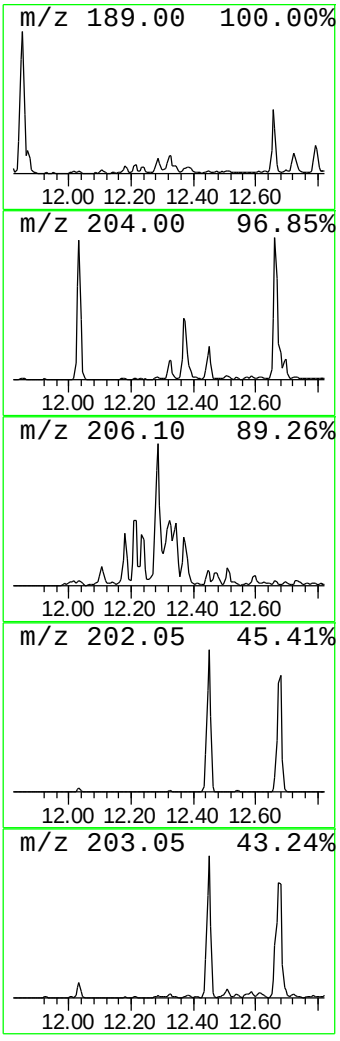
****

Peak Number 8 unknown12.32 Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.32	3.08 ng	135261	Phenanthrene-d10	11.24

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indeno[2,1-a]indene, 5,10-dihydro-	204	C16H12	006543-29-9	44
2	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	38
3	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	30
4	1,3-Butadiene, 1,4-diphenyl-, (E...	206	C16H14	000538-81-8	30
5	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	30





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Misc :
ALS Vial : 21 Sample Multiplier: 2

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ClientSampleId : EO-02-081120

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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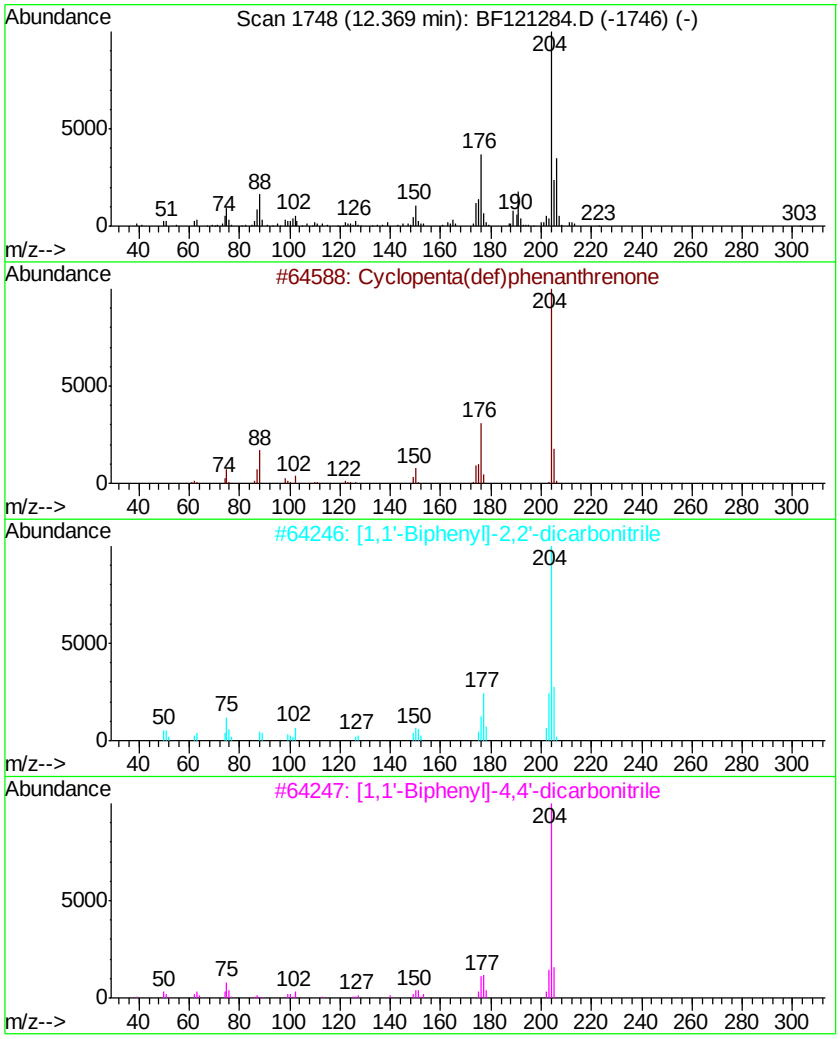
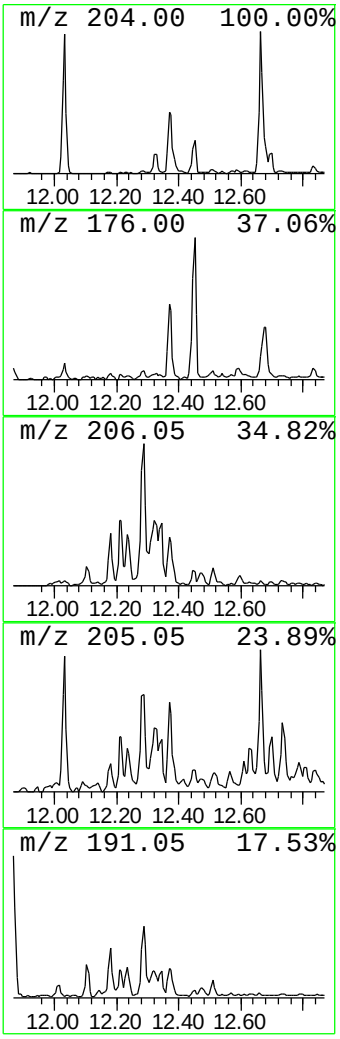
Peak Number 9 Cyclopenta(def)phenanthrenone Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.37	3.52 ng	154692	Phenanthrene-d10	11.24

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	96
2	[1,1'-Biphenyl]-2,2'-dicarbonitrile	204	C14H8N2	004341-02-0	52
3	[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	50
4	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	49
5	[1,1'-Biphenyl]-2-ol, 5-chloro-	204	C12H9ClO	000607-12-5	47





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Misc :
ALS Vial : 21 Sample Multiplier: 2

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ClientSampleId : EO-02-081120

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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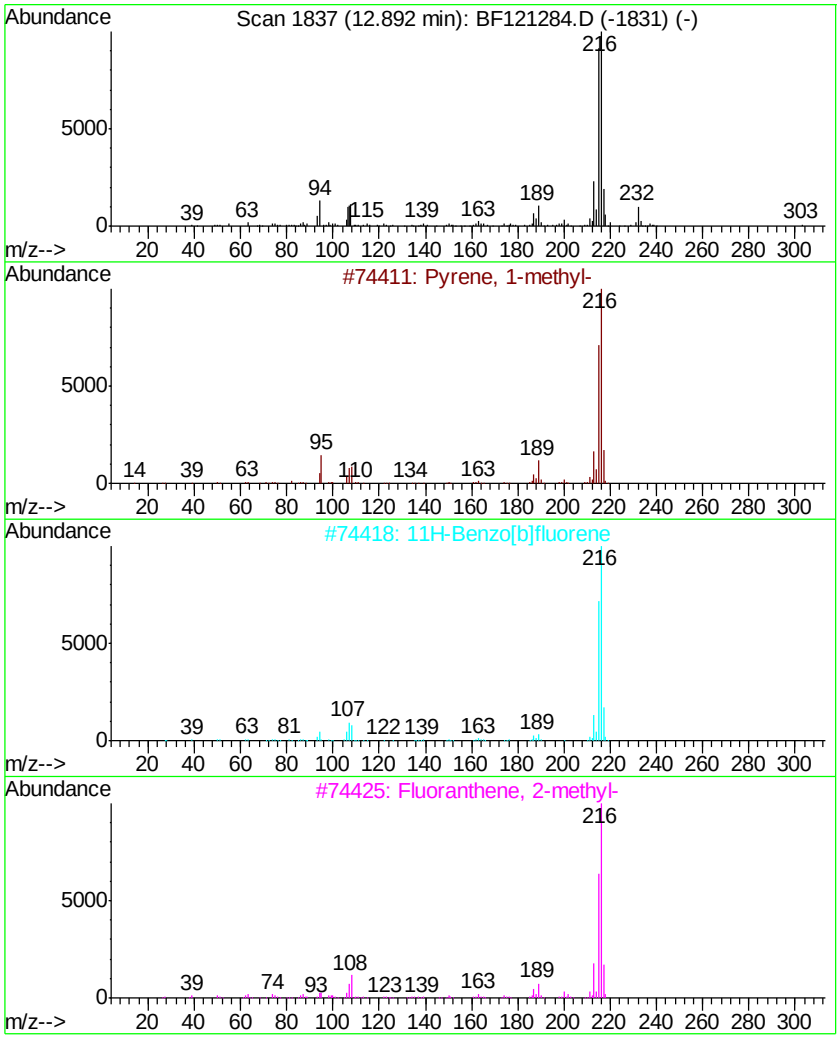
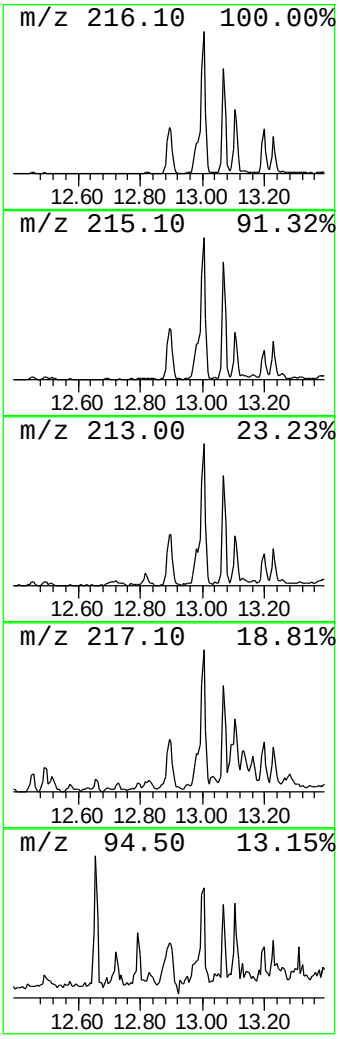
Peak Number 10 Pyrene, 1-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.89	2.87 ng	320794	Chrysene-d12	13.87

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	96
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	93
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	91
4	Pyrene, 2-methyl-	216	C17H12	003442-78-2	86
5	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	81





Library Search Compound Report

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Acq On : 13 Aug 2020 22:12
Operator : JU/CG
Sample : L3504-01 5X
Misc :
ALS Vial : 21 Sample Multiplier: 2

Instrument : BNA_F
ClientSampleId : EO-02-081120

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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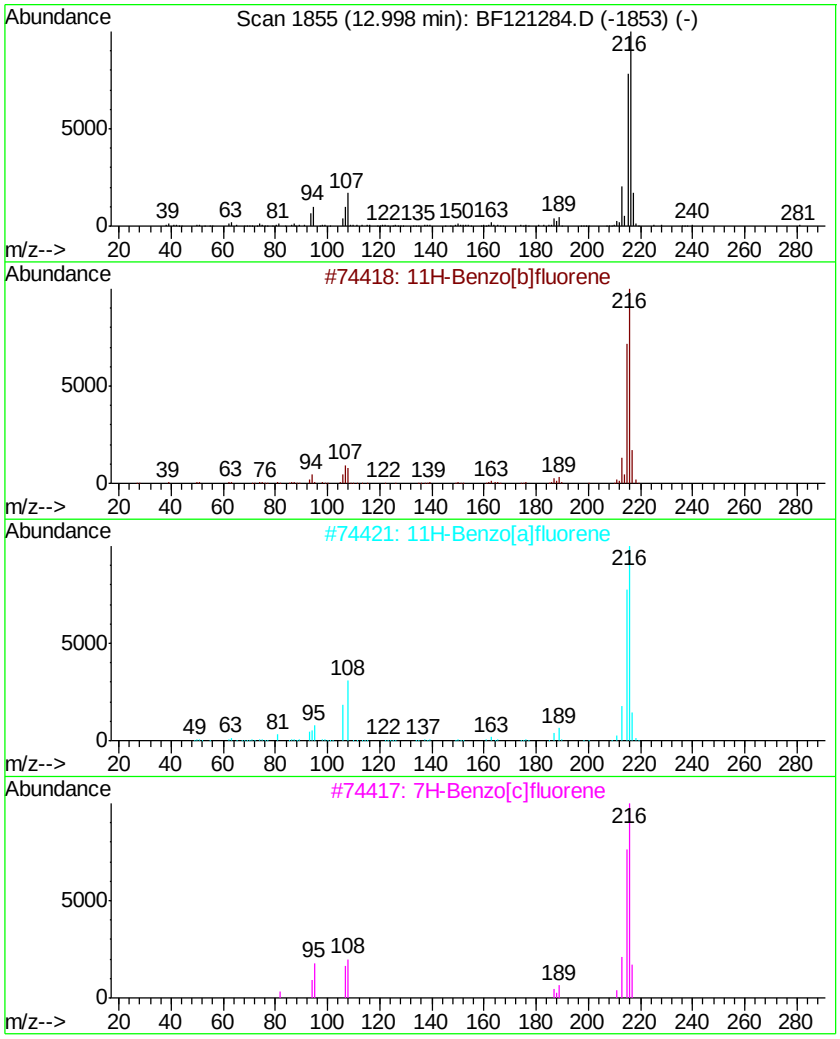
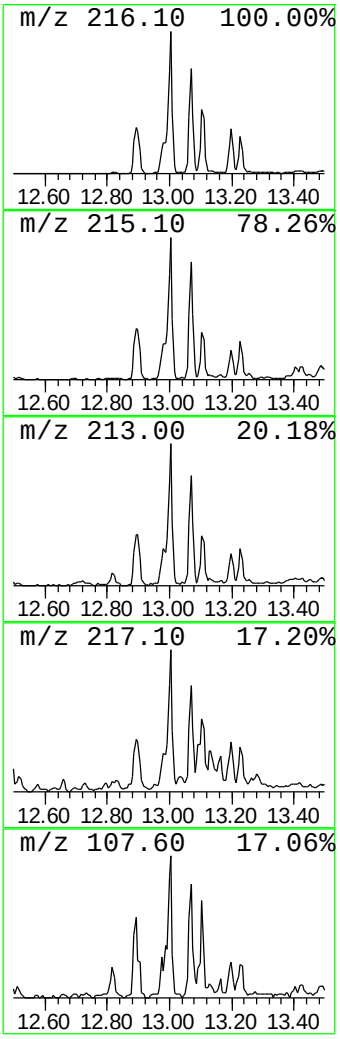
Peak Number 11 11H-Benzo[b]fluorene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.00	3.55 ng	396630	Chrysene-d12	13.87

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	81
3	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	81
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	80
5	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	68





Library Search Compound Report

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Acq On : 13 Aug 2020 22:12
Operator : JU/CG
Sample : L3504-01 5X
Misc :
ALS Vial : 21 Sample Multiplier: 2

Instrument : BNA_F
ClientSampleId : EO-02-081120

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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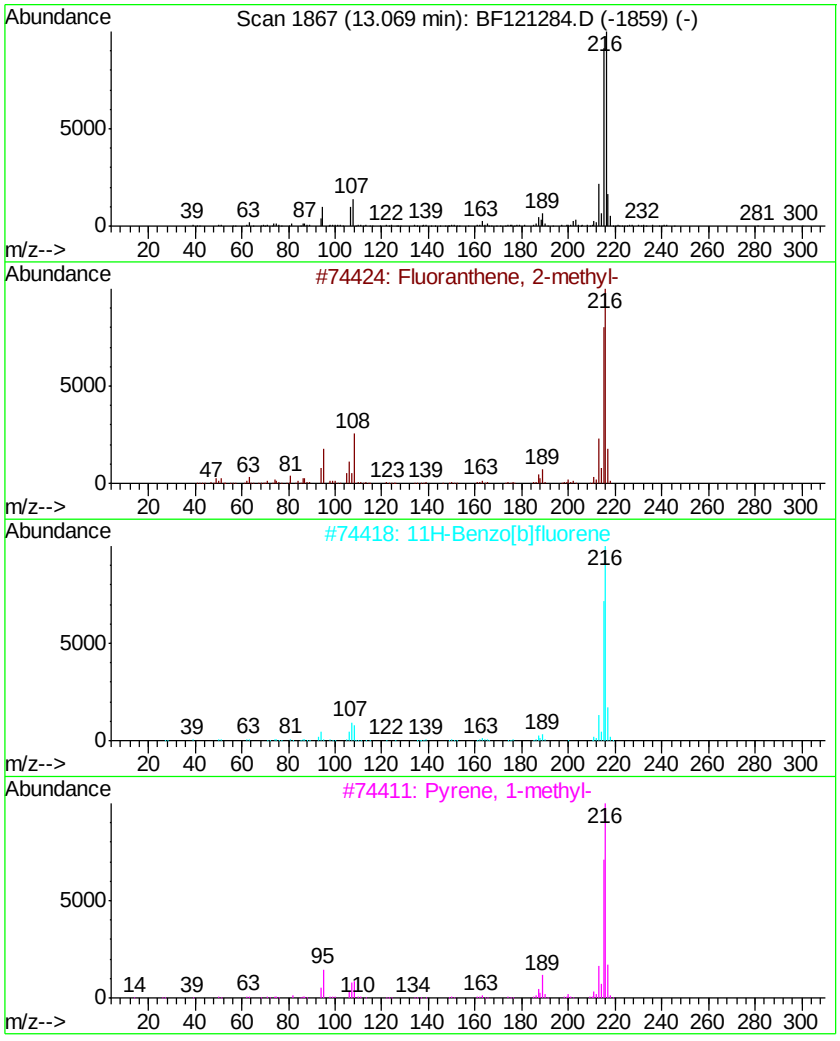
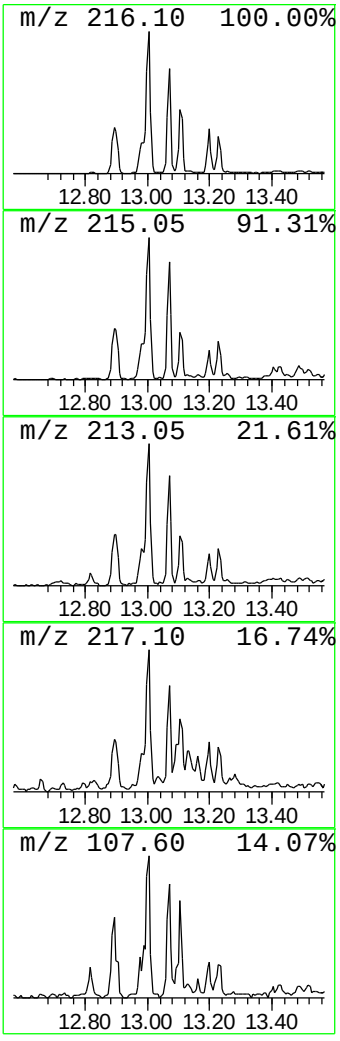
Peak Number 12 Fluoranthene, 2-methyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.07	3.33 ng	372022	Chrysene-d12	13.87

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	94
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	93
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	90
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	87
5	Pyrene, 2-methyl-	216	C17H12	003442-78-2	62





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Acq On : 13 Aug 2020 22:12
Operator : JU/CG
Sample : L3504-01 5X
Misc :
ALS Vial : 21 Sample Multiplier: 2

Instrument : BNA_F
ClientSampleId : EO-02-081120

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

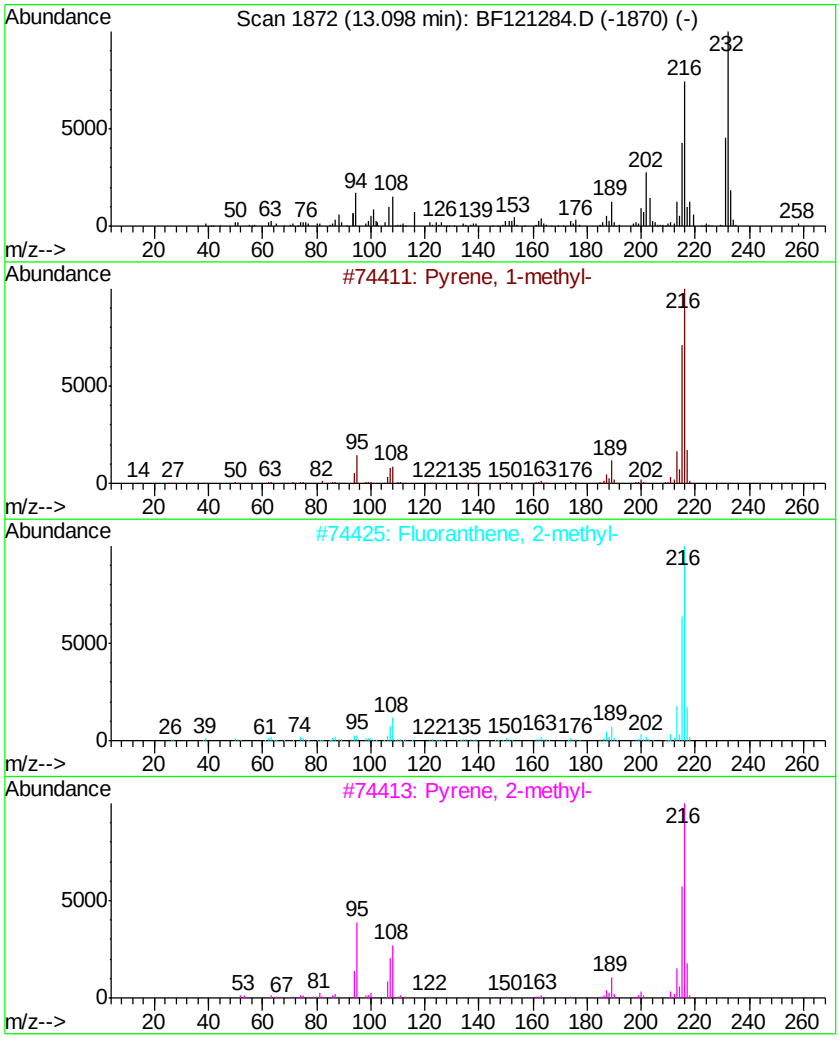
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

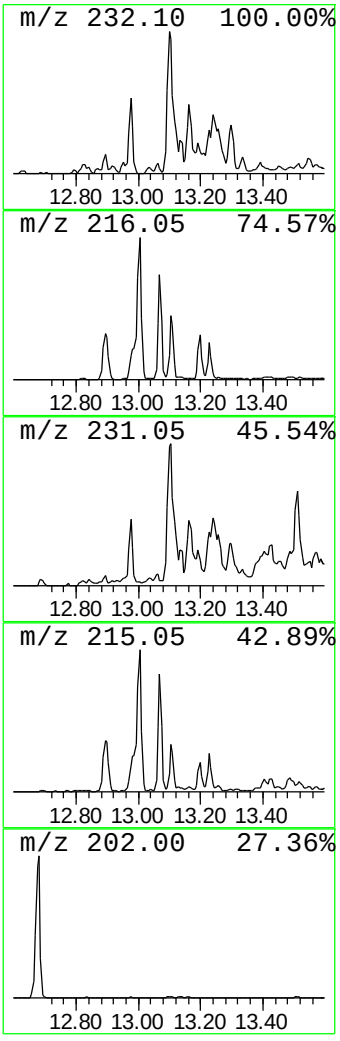
****

Peak Number 13 Pyrene, 2-methyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.10	2.48 ng	277453	Chrysene-d12	13.87

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	92
3	Pyrene, 2-methyl-	216	C17H12	003442-78-2	78
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	60
5	Pyrene, 4-methyl-	216	C17H12	003353-12-6	55





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Acq On : 13 Aug 2020 22:12
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Sample : L3504-01 5X
Misc :
ALS Vial : 21 Sample Multiplier: 2

Instrument : BNA_F
ClientSampleId : EO-02-081120

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF081320.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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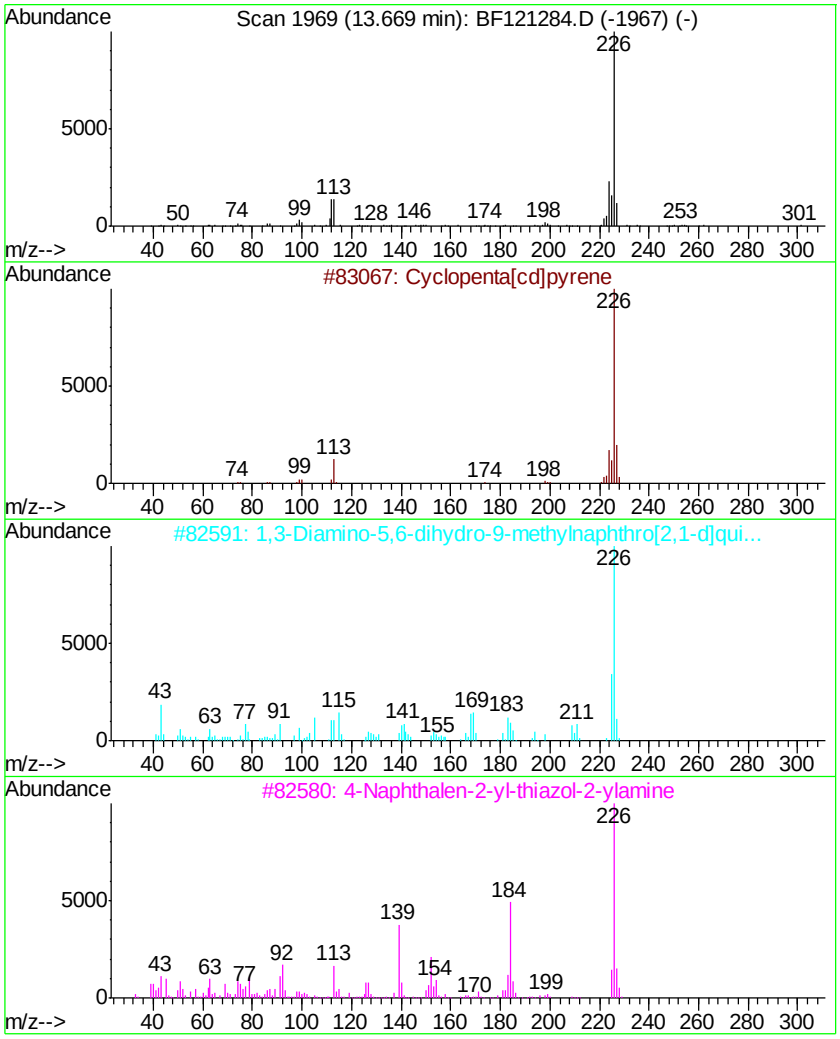
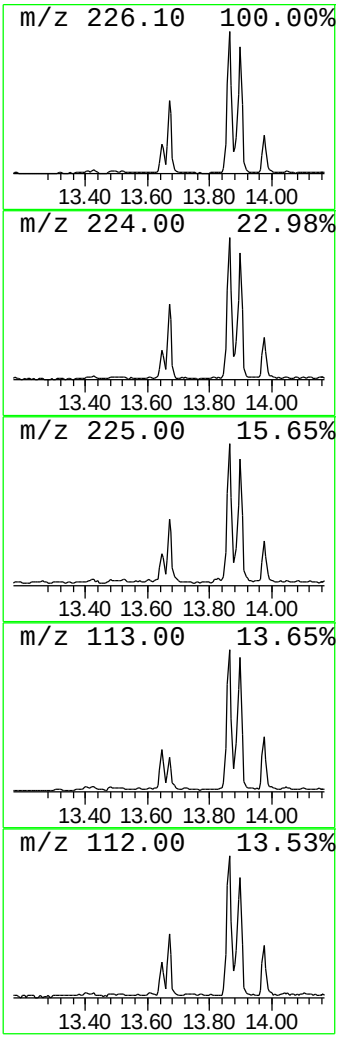
Peak Number 14 Cyclopenta[cd]pyrene Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.67	2.22 ng	247918	Chrysene-d12	13.87

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta[cd]pyrene	226	C18H10	027208-37-3	70
2	1,3-Diamino-5,6-dihydro-9-methyl...	226	C13H14N4	037436-39-8	53
3	4-Naphthalen-2-yl-thiazol-2-ylamine	226	C13H10N2S	1000300-53-4	42
4	9H-Xanthen-9-one, 3-methoxy-	226	C14H10O3	003722-52-9	38
5	Benzo[ghi]fluoranthene	226	C18H10	000203-12-3	35





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Operator : JU/CG
Sample : L3504-01 5X
Misc :
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Instrument : BNA_F
ClientSampleId : EO-02-081120

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF081320.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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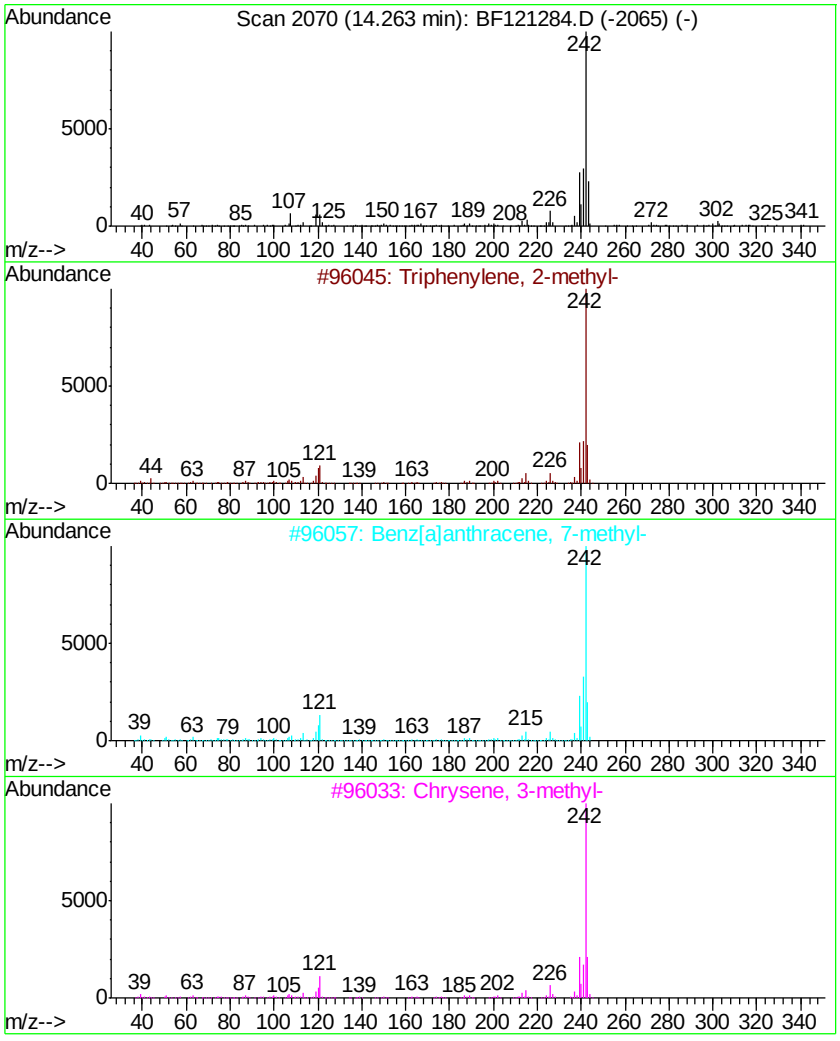
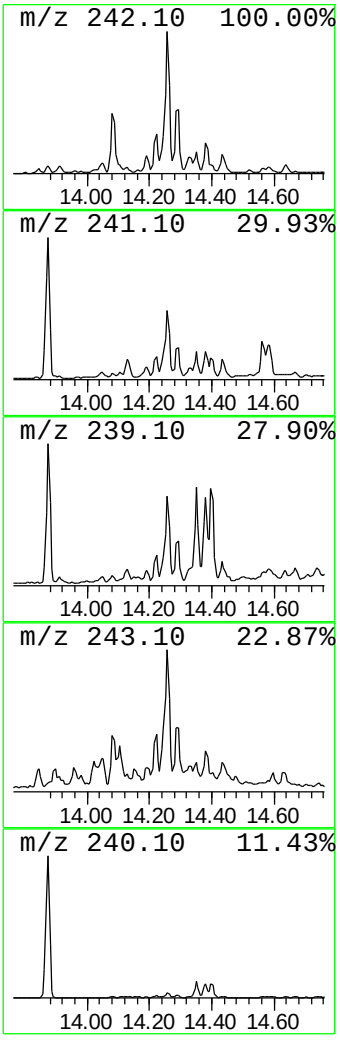
Peak Number 15 Triphenylene, 2-methyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.26	2.20 ng	246048	Chrysene-d12	13.87

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Triphenylene, 2-methyl-	242	C19H14	001705-84-6	98
2	Benz[a]anthracene, 7-methyl-	242	C19H14	002541-69-7	95
3	Chrysene, 3-methyl-	242	C19H14	003351-31-3	94
4	Chrysene, 1-methyl-	242	C19H14	003351-28-8	93
5	Benz[a]anthracene, 1-methyl-	242	C19H14	002498-77-3	93





Library Search Compound Report

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Sample : L3504-01 5X
Misc :
ALS Vial : 21 Sample Multiplier: 2

Instrument : BNA_F
ClientSampleId : EO-02-081120

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF081320.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

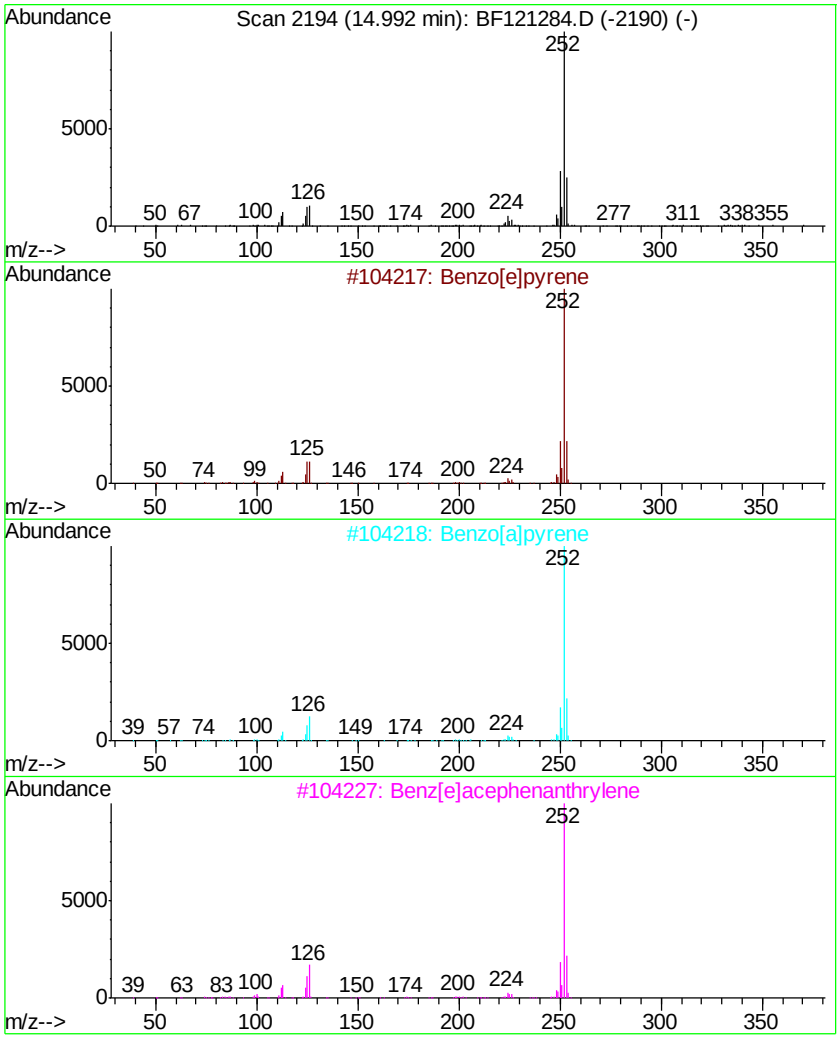
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

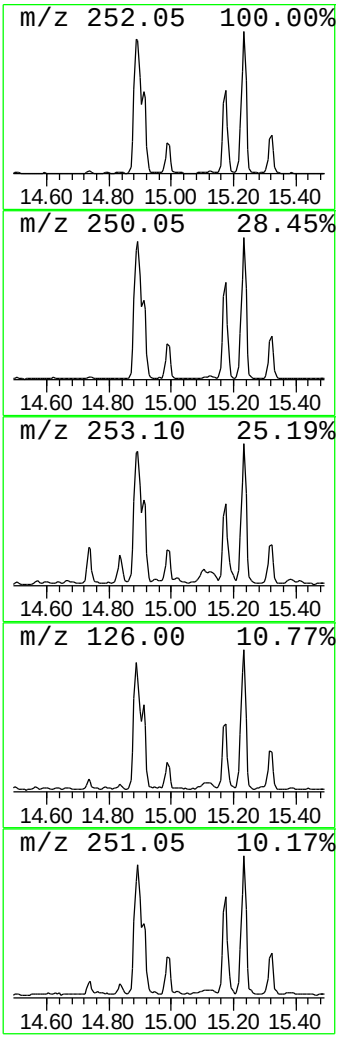
****

Peak Number 16 Benzo[e]pyrene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.99	6.15 ng	227095	Perylene-d12	15.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	93
2	Benzo[a]pyrene	252	C20H12	000050-32-8	93
3	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	90
4	Perylene	252	C20H12	000198-55-0	89
5	Benzo[k]fluoranthene	252	C20H12	000207-08-9	81





Tentatively Identified Compound (LSC) summary

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Data File : BF121284.D
Acq On : 13 Aug 2020 22:12
Operator : JU/CG
Sample : L3504-01 5X
Misc :
ALS Vial : 21 Sample Multiplier: 2

Instrument : BNA_F
ClientSampleId : EO-02-081120

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF081320.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
Naphtho[2,1-b]thi...	11.13	2.2	ng	98492	4	11.24	879287	20.0
Phenanthrene, 1-m...	11.74	5.5	ng	241532	4	11.24	879287	20.0
Phenanthrene, 2-m...	11.76	7.1	ng	312095	4	11.24	879287	20.0
Anthracene, 1-met...	11.81	3.8	ng	167838	4	11.24	879287	20.0
4H-Cyclopenta[def...	11.85	10.7	ng	472207	4	11.24	879287	20.0
Naphthalene, 2-ph...	12.03	4.2	ng	183820	4	11.24	879287	20.0
Phenanthrene, 2,5...	12.29	3.8	ng	167439	4	11.24	879287	20.0
unknown12.32	12.32	3.1	ng	135261	4	11.24	879287	20.0
Cyclopenta(def)ph...	12.37	3.5	ng	154692	4	11.24	879287	20.0
Pyrene, 1-methyl-	12.89	2.9	ng	320794	5	13.87	2233890	20.0
11H-Benzo[b]fluorene	13.00	3.5	ng	396630	5	13.87	2233890	20.0
Fluoranthene, 2-m...	13.07	3.3	ng	372022	5	13.87	2233890	20.0
Pyrene, 2-methyl-	13.10	2.5	ng	277453	5	13.87	2233890	20.0
Cyclopenta[cd]pyrene	13.67	2.2	ng	247918	5	13.87	2233890	20.0
Triphenylene, 2-m...	14.26	2.2	ng	246048	5	13.87	2233890	20.0
Benzo[e]pyrene	14.99	6.2	ng	227095	6	15.29	738528	20.0