LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF060220\
Data File : BF120496.D
Acq On : 2 Jun 2020 15:50
Operator : JU/CG
Sample : L2773-25
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : NM113-COMP-2020-0-6

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	1.963	10	13	29	rBV	952898	1461794	44.26%	2.592%
2	2.087	29	34	52	rVB	713350	953734	28.88%	1.691%
3	5.181	541	560	568	rBV	76711	367106	11.12%	0.651%
4	5.257	571	573	582	rVB3	24060	39108	1.18%	0.069%
5	5.463	604	608	612	rBV	2509059	2349964	71.16%	4.167%
6	6.475	776	780	789	rVB	2428640	2298166	69.59%	4.075%
7	6.675	810	814	819	rBV2	35952	42730	1.29%	0.076%
8	6.845	839	843	846	rBV	1116678	852945	25.83%	1.512%
9	7.004	866	870	873	rBV	2328931	2107569	63.82%	3.737%
10	7.245	906	911	921	rVB6	20021	40444	1.22%	0.072%
11	7.404	933	938	941	rBV	1750253	1460996	44.24%	2.591%
12	8.128	1057	1061	1063	rBV	1222362	944578	28.60%	1.675%
13	8.145	1063	1064	1068	rVB	70572	50813	1.54%	0.090%
14	9.204	1239	1244	1247	rBV	2892514	2566173	77.70%	4.550%
15	9.539	1298	1301	1304	rBV	81881	70329	2.13%	0.125%
16	9.592	1307	1310	1315	rVB	498023	451052	13.66%	0.800%
17	9.745	1329	1336	1339	rBV	235956	236971	7.18%	0.420%
18	9.880	1354	1359	1362	rBV	1188828	1088170	32.95%	1.929%
19	9.916	1362	1365	1369	rVB	101159	100458	3.04%	0.178%
20	10.086	1389	1394	1397	rBV	108541	106233	3.22%	0.188%
21	10.210	1409	1415	1417	rBV3	39758	59001	1.79%	0.105%
22	10.292	1424	1429	1430	rBV4	31695	40103	1.21%	0.071%
23	10.427	1449	1452	1458	rVB2	125163	115903	3.51%	0.206%
24	10.586	1473	1479	1482	rVB	63762	60108	1.82%	0.107%
25	10.669	1488	1493	1497	rBV	1785546	1521076	46.06%	2.697%
26	10.980	1538	1546	1548	rBV4	44544	65490	1.98%	0.116%
27	11.016	1548	1552	1554	rBV2	144967	144680	4.38%	0.257%
28	11.039	1554	1556	1559	rVB2	34182	39233	1.19%	0.070%
29	11.174	1576	1579	1583	rVB	115668	105435	3.19%	0.187%
30	11.216	1583	1586	1592	rBV3	50612	79924	2.42%	0.142%
31	11.263	1592	1594	1600	rVB	126312	117470	3.56%	0.208%
32	11.316	1600	1603	1606	rBV2	44801	51945	1.57%	0.092%
33	11.369	1606	1612	1614	rBV	1223268	1081533	32.75%	1.918%
34	11.392	1614	1616	1619	rVV	1916872	1581611	47.89%	2.804%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF060220\
Data File : BF120496.D
Acq On : 2 Jun 2020 15:50
Operator : JU/CG
Sample : L2773-25
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : NM113-COMP-2020-0-6

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	11.445	1622	1625	1628	rVV	535299	442755	13.41%	0.785%
36	11.474	1628	1630	1633	rVB2	71725	60235	1.82%	0.107%
37	11.586	1645	1649	1650	rBV	153108	172603	5.23%	0.306%
38	11.663	1659	1662	1666	rBV2	68812	74060	2.24%	0.131%
39	11.698	1666	1668	1673	rVB4	58711	51969	1.57%	0.092%
40	11.757	1673	1678	1680	rBV4	34181	46723	1.41%	0.083%
41	11.869	1692	1697	1699	rVV	261232	263993	7.99%	0.468%
42	11.898	1699	1702	1706	rVV	428204	359341	10.88%	0.637%
43	11.945	1707	1710	1713	rVV	157835	131560	3.98%	0.233%
44	11.980	1713	1716	1719	rVV	387590	437308	13.24%	0.775%
45	12.004	1719	1720	1723	rVV	191990	113760	3.44%	0.202%
46	12.051	1725	1728	1730	rVV3	40195	42669	1.29%	0.076%
47	12.163	1739	1747	1749	rVV	235138	248092	7.51%	0.440%
48	12.186	1749	1751	1755	rVB	207488	182791	5.54%	0.324%
49	12.316	1771	1773	1776	rVB	72865	53347	1.62%	0.095%
50	12.345	1776	1778	1780	rBV	59386	40739	1.23%	0.072%
51	12.368	1780	1782	1785	rVB	73341	59974	1.82%	0.106%
52	12.421	1785	1791	1794	rBV	175238	237470	7.19%	0.421%
53	12.457	1794	1797	1799	rVV2	105786	124053	3.76%	0.220%
54	12.504	1802	1805	1811	rVV2	344740	421093	12.75%	0.747%
55	12.563	1811	1815	1817	rVV	1372621	1378685	41.75%	2.445%
56	12.586	1817	1819	1822	rVV	3257766	2691627	81.50%	4.773%
57	12.627	1822	1826	1827	rVV2	56067	54781	1.66%	0.097%
58	12.645	1827	1829	1832	rVV	84848	82015	2.48%	0.145%
59	12.674	1832	1834	1837	rVB	195171	171885	5.20%	0.305%
60	12.716	1837	1841	1842	rBV2	61987	86046	2.61%	0.153%
61	12.733	1842	1844	1848	rVV2	143797	168001	5.09%	0.298%
62	12.816	1852	1858	1861	rVV	2936870	3195214	96.75%	5.666%
63	12.863	1863	1866	1870	rVB2	134616	156052	4.73%	0.277%
64	12.957	1878	1882	1888	rVB	3327072	3093549	93.67%	5.485%
65	13.033	1889	1895	1898	rBV2	212633	357952	10.84%	0.635%
66	13.063	1898	1900	1902	rVB	67104	51764	1.57%	0.092%
67	13.116	1902	1909	1910	rBV5	187034	225605	6.83%	0.400%
68	13.139	1911	1913	1916	rVB	347379	300955	9.11%	0.534%
69	13.186	1916	1921	1922	rBV3	119654	158473	4.80%	0.281%
70	13.204	1922	1924	1927	rVB	181992	152467	4.62%	0.270%
71	13.245	1927	1931	1934	rBV2	316604	333955	10.11%	0.592%

LSC Area Percent Report

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Acq On : 2 Jun 2020 15:50
Operator : JU/CG
Sample : L2773-25
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : NM113-COMP-2020-0-6

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	13.298	1938	1940	1942	rBV2	80256	80149	2.43%	0.142%
73	13.333	1944	1946	1949	rVV	150765	148995	4.51%	0.264%
74	13.368	1949	1952	1955	rVV3	171335	178710	5.41%	0.317%
75	13.404	1956	1958	1961	rVB3	81303	86565	2.62%	0.153%
76	13.527	1975	1979	1980	rBV4	68787	99579	3.02%	0.177%
77	13.645	1996	1999	2004	rVB	329572	302520	9.16%	0.536%
78	13.757	2014	2018	2021	rBV2	290798	383863	11.62%	0.681%
79	13.786	2021	2023	2025	rVV	321193	269757	8.17%	0.478%
80	13.810	2025	2027	2032	rVV2	256477	373676	11.32%	0.663%
81	13.857	2032	2035	2042	rVB2	363385	652291	19.75%	1.157%
82	14.010	2054	2061	2064	rBV3	2114290	3302457	100.00%	5.856%
83	14.039	2064	2066	2071	rVB	1605836	1322316	40.04%	2.345%
84	14.115	2077	2079	2082	rBV	199812	176250	5.34%	0.313%
85	14.151	2083	2085	2087	rBV	87645	76985	2.33%	0.137%
86	14.233	2096	2099	2103	rBV2	139504	182136	5.52%	0.323%
87	14.398	2124	2127	2130	rVB	282015	257428	7.80%	0.456%
88	14.433	2130	2133	2136	rVB2	140822	132407	4.01%	0.235%
89	14.480	2138	2141	2143	rBV	176599	186050	5.63%	0.330%
90	14.510	2143	2146	2147	rBV	119404	132538	4.01%	0.235%
91	15.051	2234	2238	2241	rBV	1136909	1687094	51.09%	2.991%
92	15.121	2247	2250	2253	rVB2	442450	450704	13.65%	0.799%
93	15.162	2253	2257	2267	rVB2	392482	775828	23.49%	1.376%
94	15.351	2285	2289	2295	rVB	683609	924650	28.00%	1.640%
95	15.415	2295	2300	2305	rBV	1027937	1232558	37.32%	2.186%
96	15.474	2306	2310	2313	rVV	745812	1014461	30.72%	1.799%
97	15.504	2313	2315	2322	rVB2	370157	472412	14.30%	0.838%
98	15.939	2384	2389	2397	rVB	871589	1295525	39.23%	2.297%
99	16.933	2553	2558	2564	rBV2	400893	724171	21.93%	1.284%
100	17.374	2629	2633	2643	rVB	318340	598076	18.11%	1.060%

Sum of corrected areas: 56396557

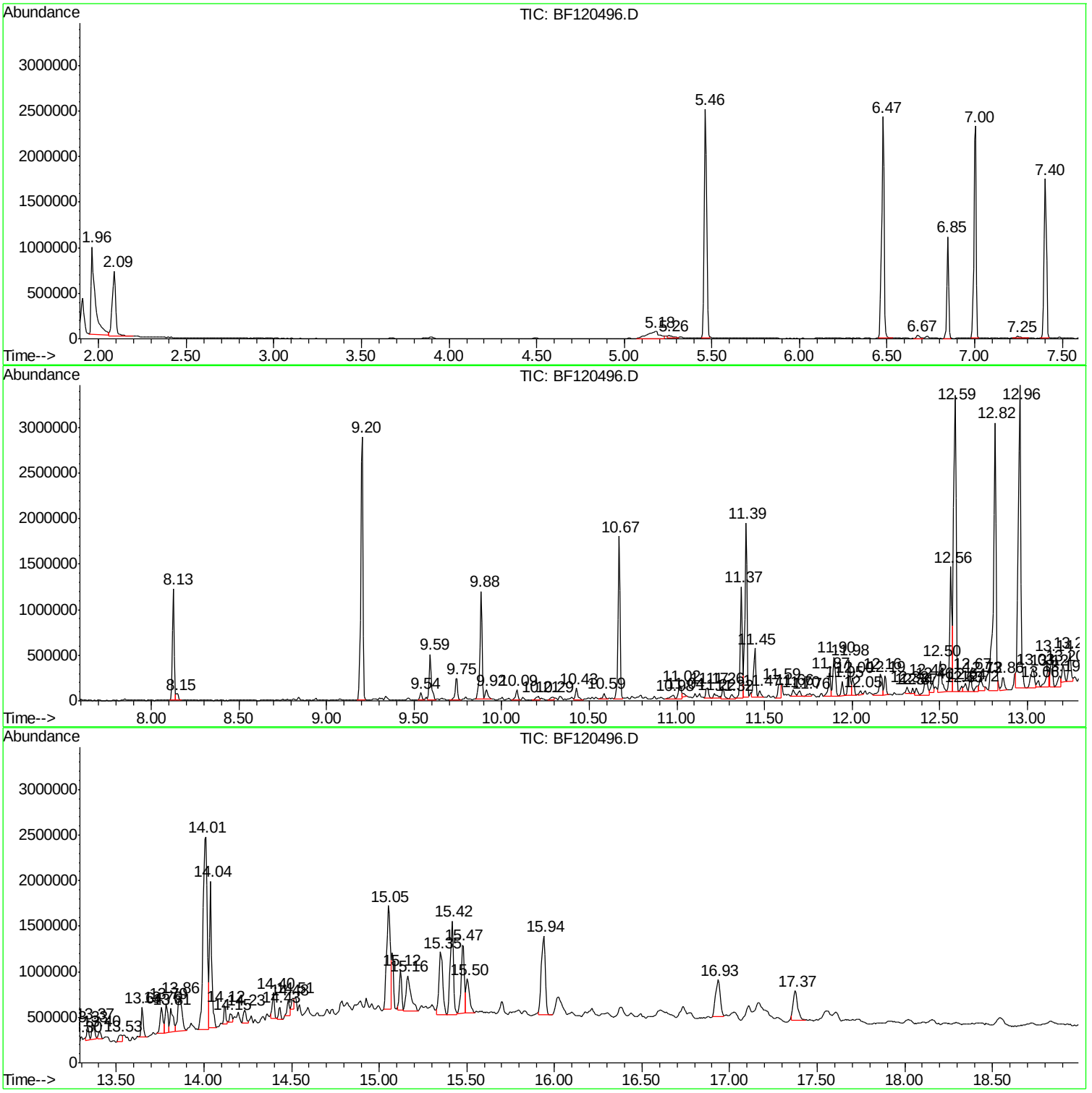
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF060220\
Data File : BF120496.D
Acq On : 2 Jun 2020 15:50
Operator : JU/CG
Sample : L2773-25
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : NM113-COMP-2020-0-6

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



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF060220\
Data File : BF120496.D
Acq On : 2 Jun 2020 15:50
Operator : JU/CG
Sample : L2773-25
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Instrument : BNA_F
ClientSampleId : NM113-COMP-2020-0-6

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

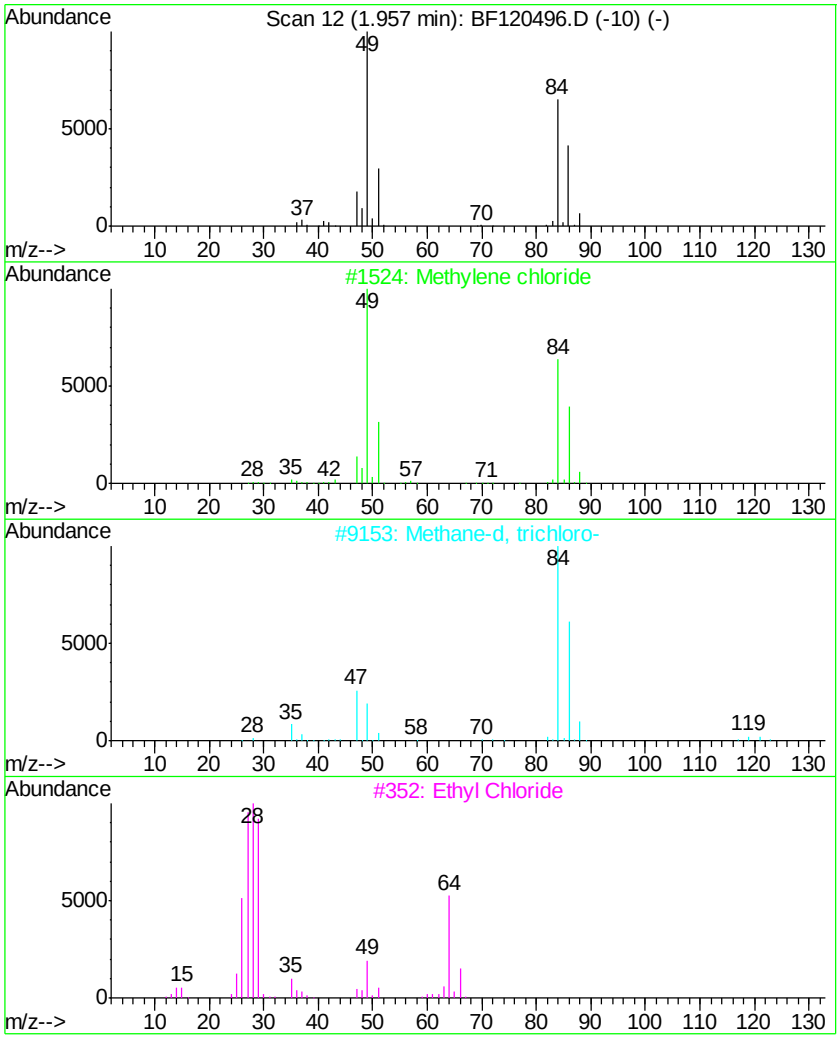
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

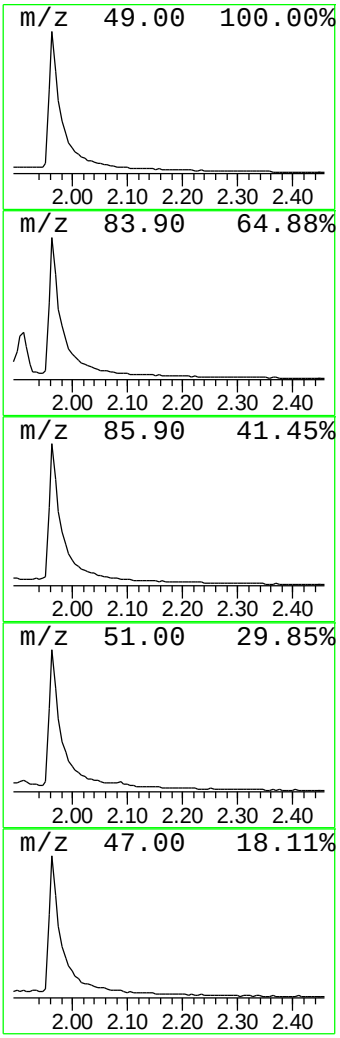
****

Peak Number 1 Methylene chloride Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.96	34.28 ng	1461790	1,4-Dichlorobenzene-d4	6.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Methylene chloride	84	CH2Cl2	000075-09-2	95
2	Methane-d, trichloro-	119	CDCl3	000865-49-6	10
3	Ethyl Chloride	64	C2H5Cl	000075-00-3	4
4	Acetic acid, chloro-, ethyl ester	122	C4H7ClO2	000105-39-5	2
5	Boron trifluoride	68	BF3	007637-07-2	1





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF060220\
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Instrument : BNA_F
ClientSampleId : NM113-COMP-2020-0-6

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

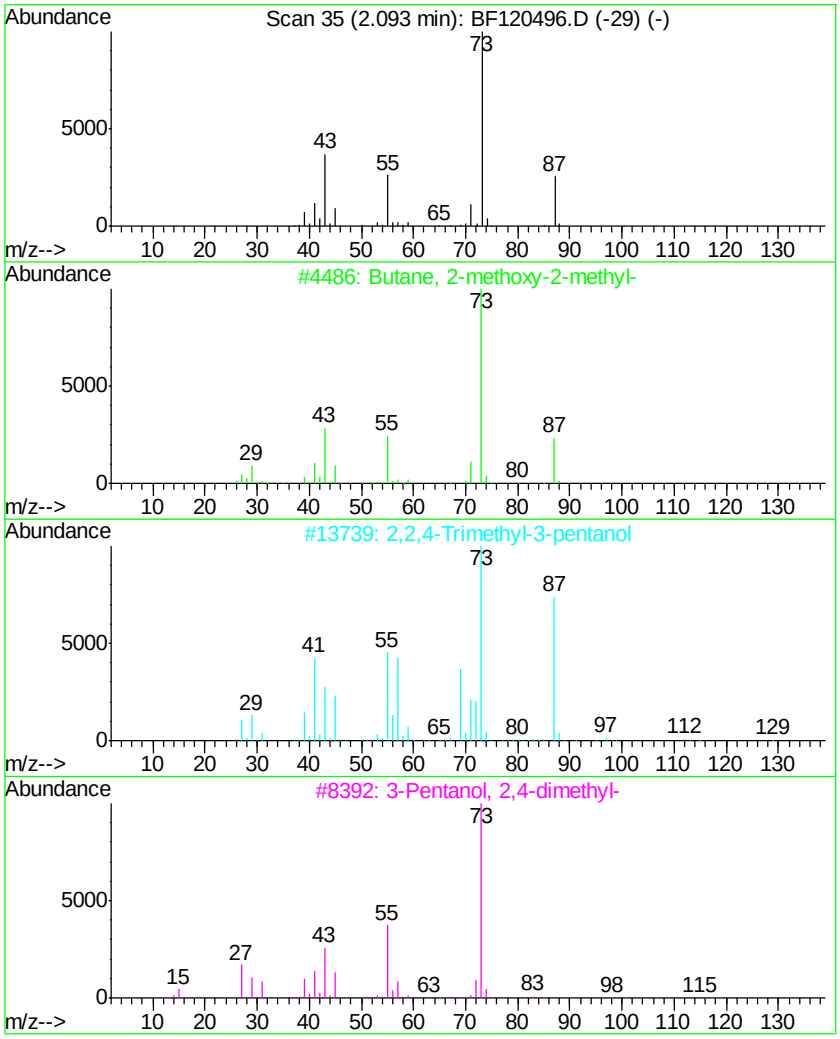
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

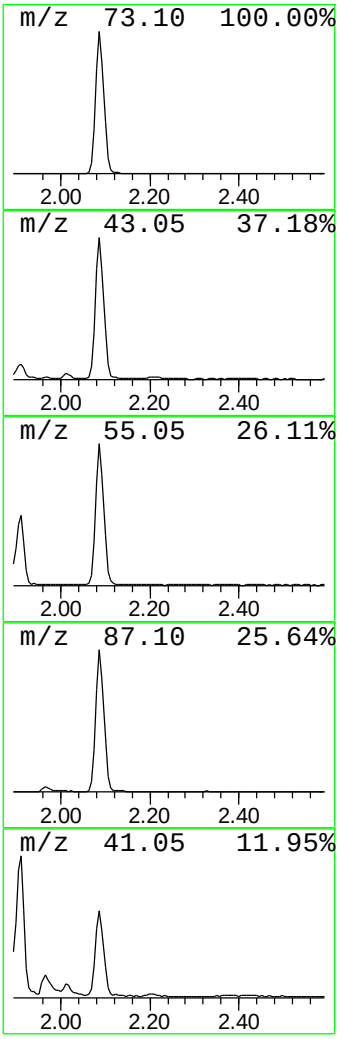
****

Peak Number 2 Butane, 2-methoxy-2-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.09	22.36 ng	953734	1,4-Dichlorobenzene-d4	6.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	83
2	2,2,4-Trimethyl-3-pentanol	130	C8H18O	005162-48-1	39
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	Pentane, 3-methoxy-	102	C6H14O	036839-67-5	12





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

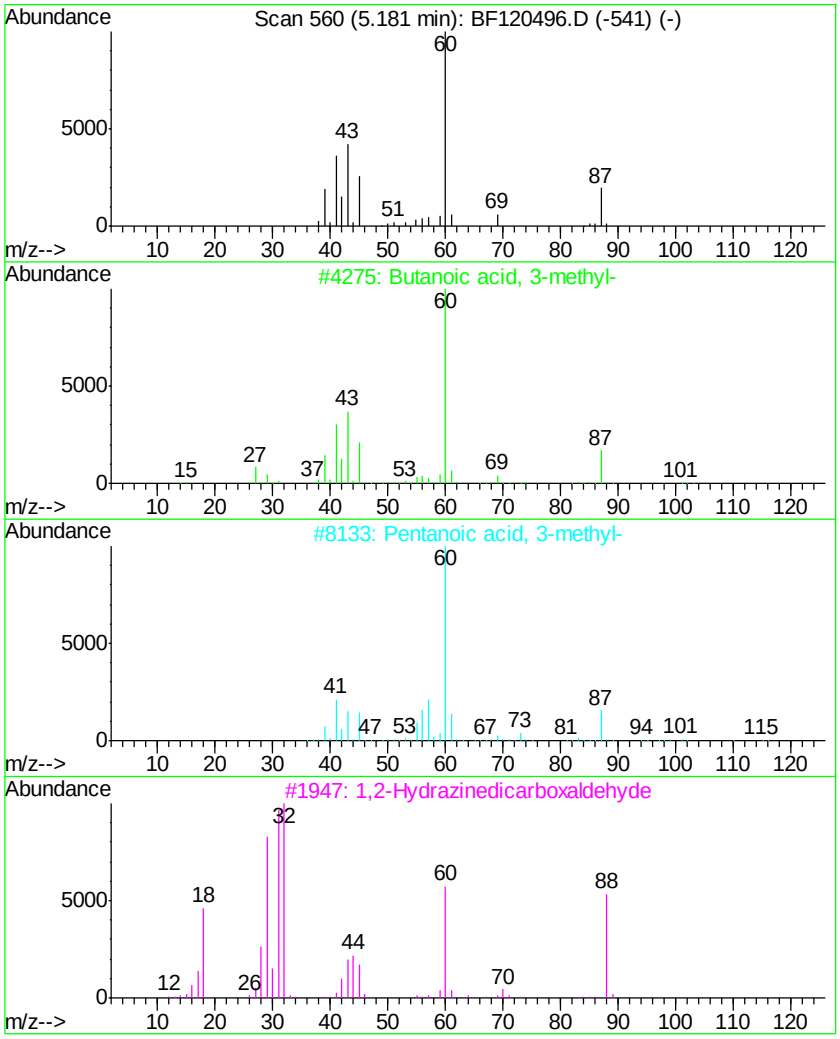
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

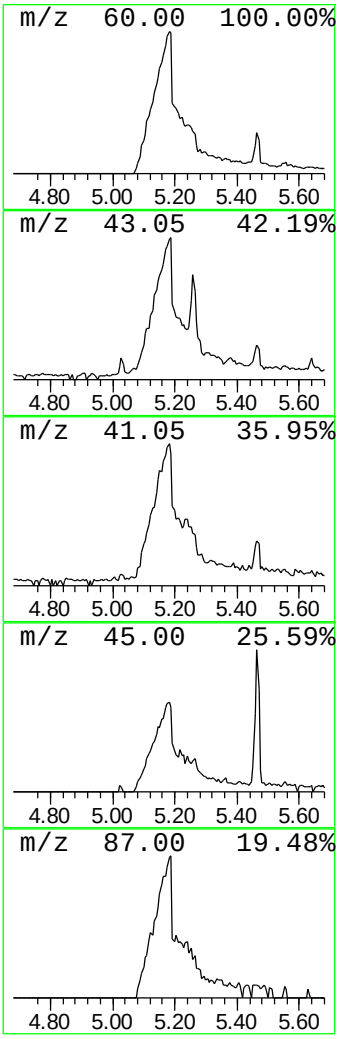
****

Peak Number 3 Butanoic acid, 3-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.18	8.61 ng	367106	1,4-Dichlorobenzene-d4	6.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butanoic acid, 3-methyl-	102	C5H10O2	000503-74-2	90
2	Pentanoic acid, 3-methyl-	116	C6H12O2	000105-43-1	43
3	1,2-Hydrazinedicarboxaldehyde	88	C2H4N2O2	000628-36-4	38
4	Pentanoic acid	102	C5H10O2	000109-52-4	36
5	3-Methyl-hexanoic acid	130	C7H14O2	1000365-65-4	25





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF060220\
Data File : BF120496.D
Acq On : 2 Jun 2020 15:50
Operator : JU/CG
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Instrument : BNA_F
ClientSampleId : NM113-COMP-2020-0-6

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

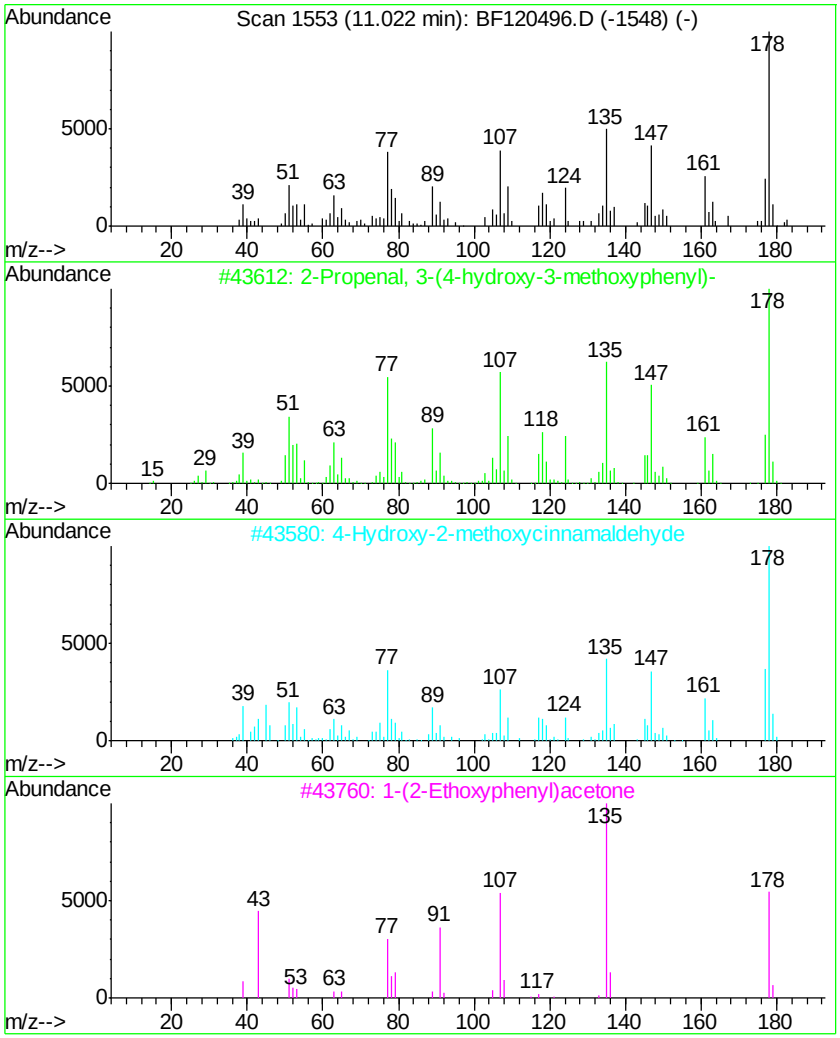
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

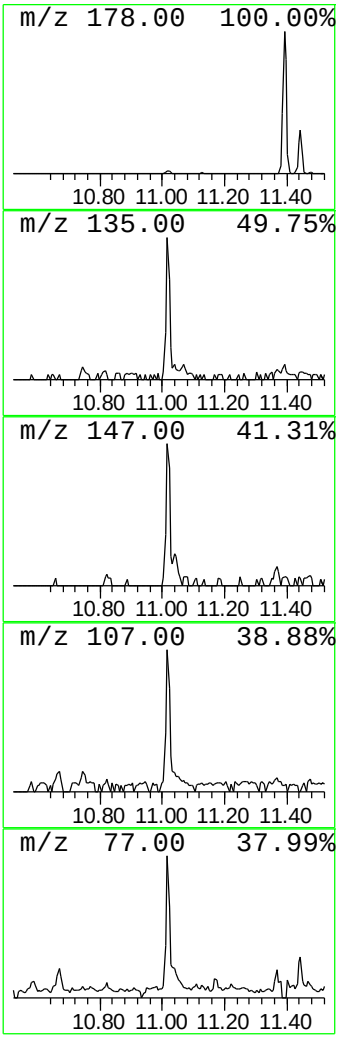
****

Peak Number 5 2-Propenal, 3-(4-hydroxy-3-... Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.02	2.68 ng	144680	Phenanthrene-d10	11.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Propenal, 3-(4-hydroxy-3-metho...	178	C10H10O3	000458-36-6	99
2	4-Hydroxy-2-methoxycinnamaldehyde	178	C10H10O3	127321-19-1	94
3	1-(2-Ethoxyphenyl)acetone	178	C11H14O2	086432-38-4	50
4	Pyrrolo[3,2-c]pyridin-6-one, 1-a...	178	C9H10N2O2	1000303-24-6	50
5	1H-Pyrrolo[3,4-c]pyridine-1,3,4(...	178	C8H6N2O3	026413-69-4	38





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF060220\
Data File : BF120496.D
Acq On : 2 Jun 2020 15:50
Operator : JU/CG
Sample : L2773-25
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : NM113-COMP-2020-0-6

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

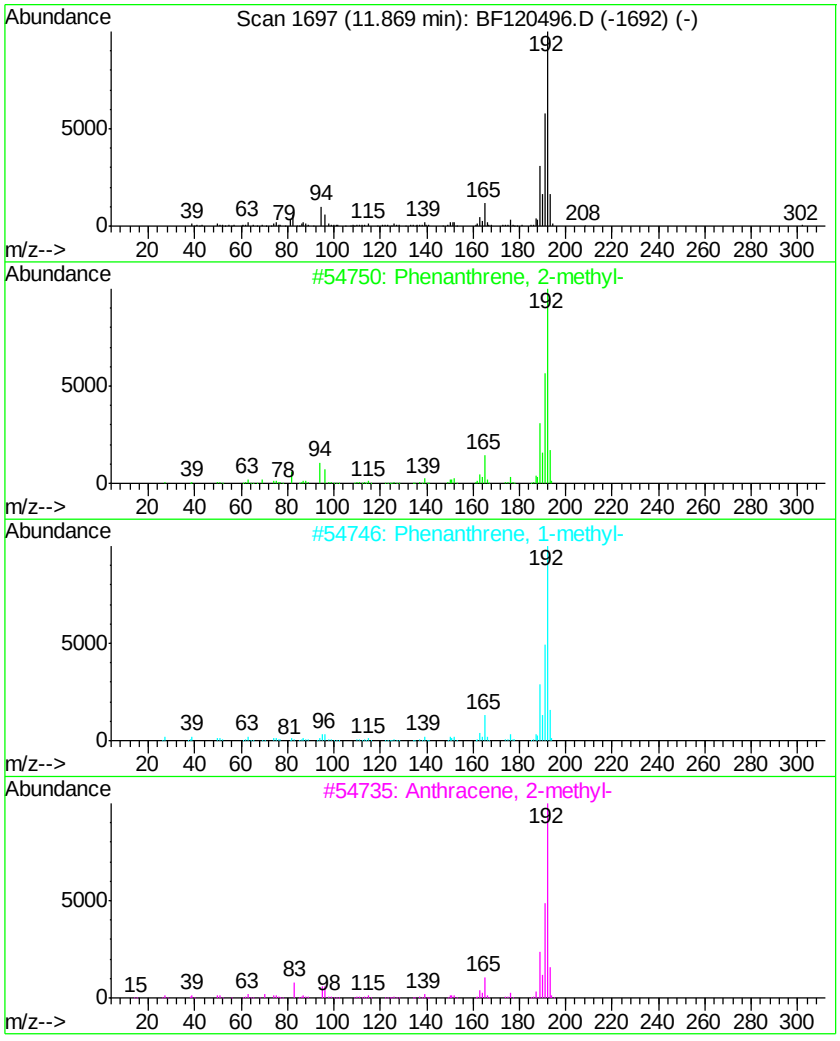
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

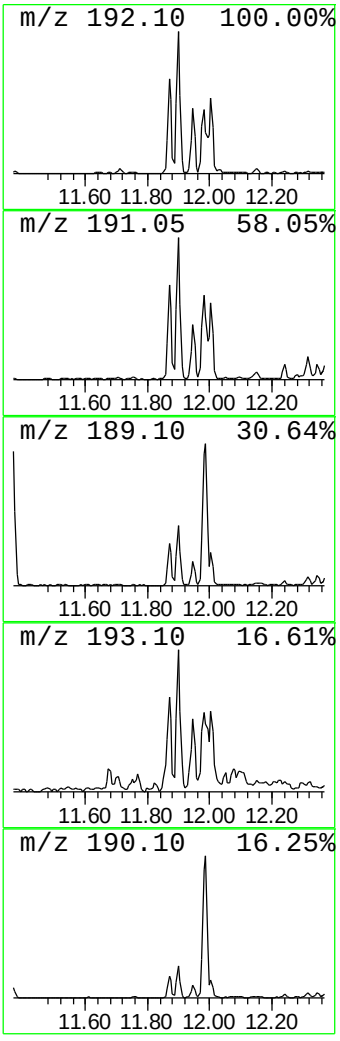
****

Peak Number 6 Phenanthrene, 2-methyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.87	4.88 ng	263993	Phenanthrene-d10	11.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	98
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	95
5	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	95





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Operator : JU/CG
Sample : L2773-25
Misc :
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Instrument : BNA_F
ClientSampleId : NM113-COMP-2020-0-6

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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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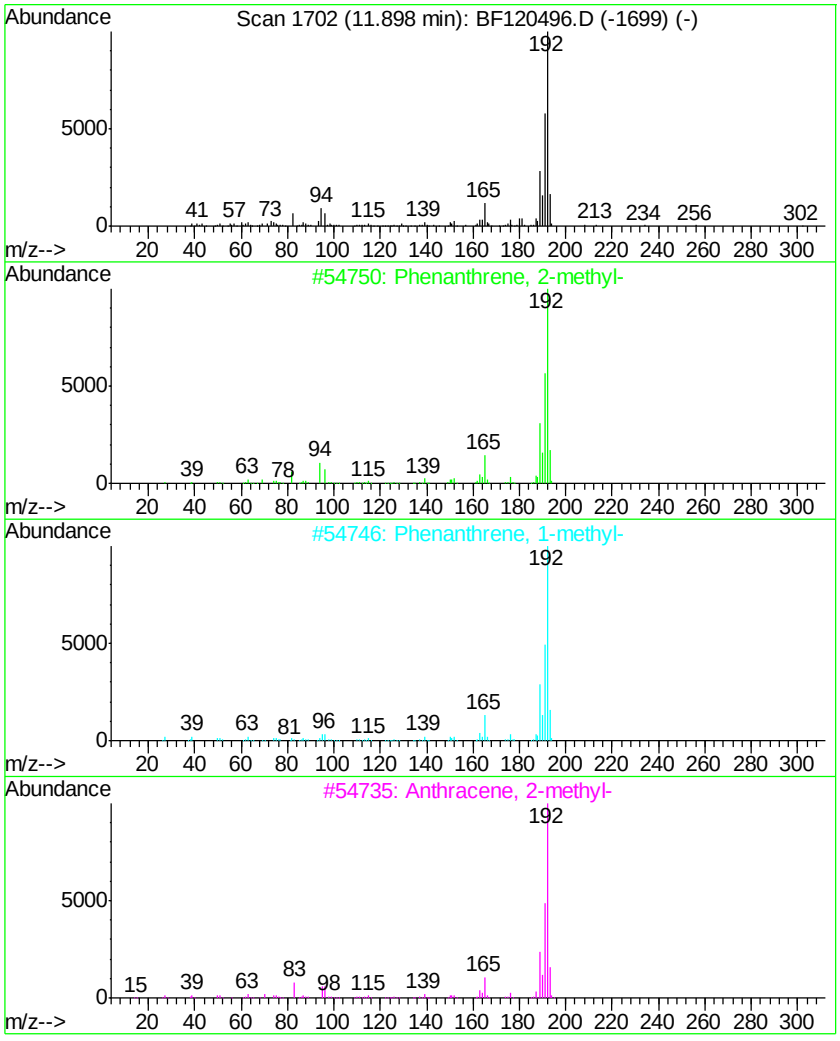
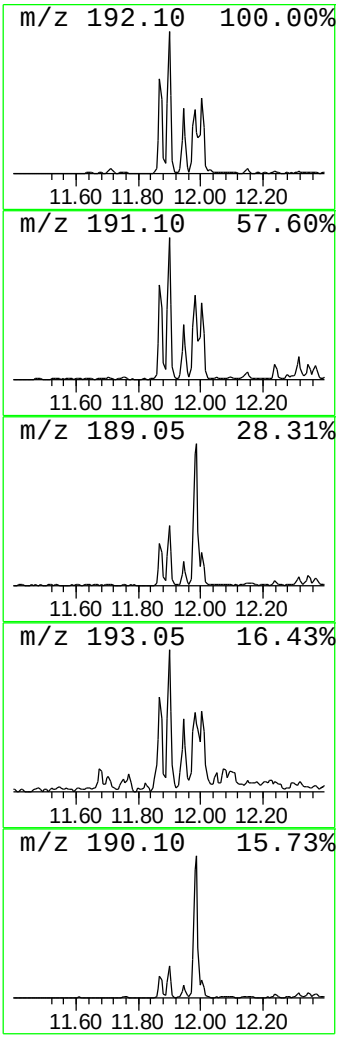
Peak Number 7 Phenanthrene, 1-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.90	6.65 ng	359341	Phenanthrene-d10	11.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	98
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	95
5	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	95





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Sample : L2773-25
Misc :
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Instrument : BNA_F
ClientSampleId : NM113-COMP-2020-0-6

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

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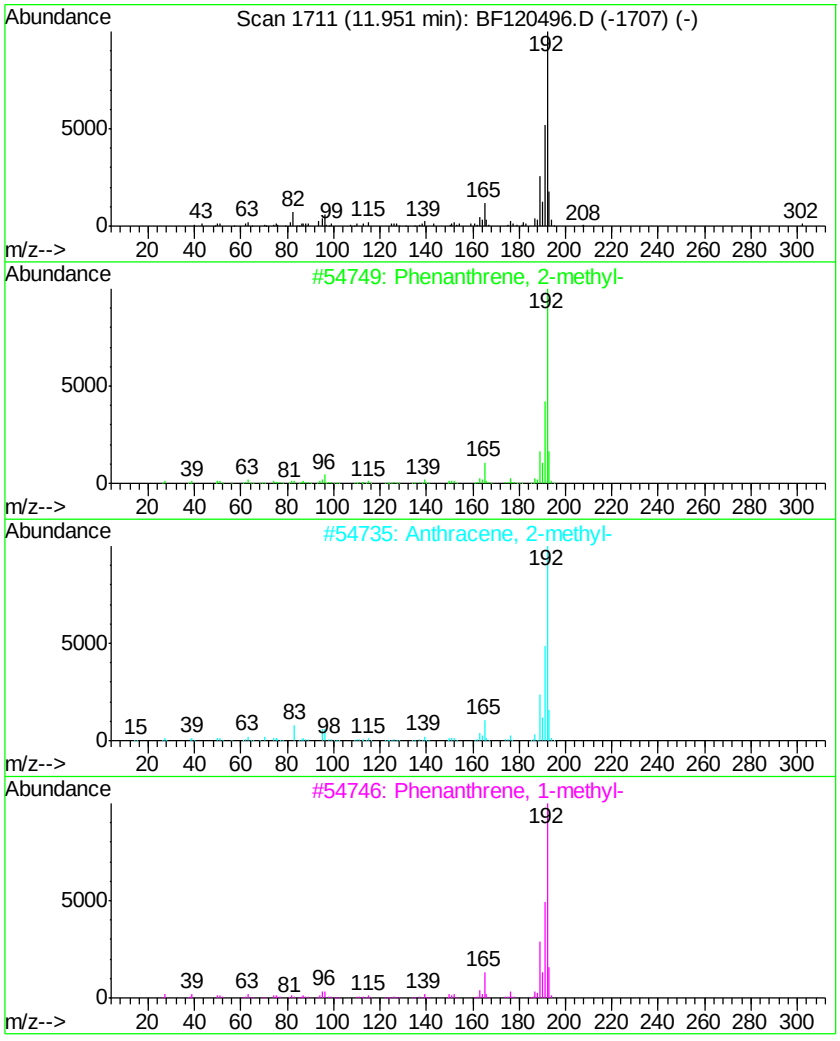
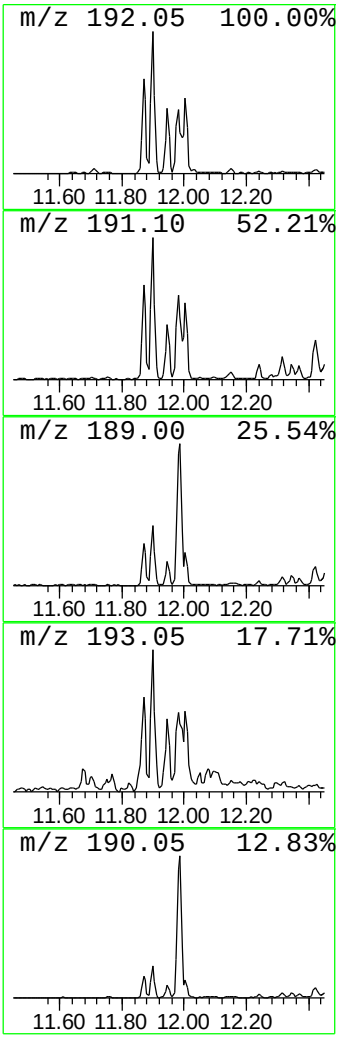
Peak Number 8 Anthracene, 2-methyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.95	2.43 ng	131560	Phenanthrene-d10	11.37

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	96
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	95
5	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	95





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ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : NM113-COMP-2020-0-6

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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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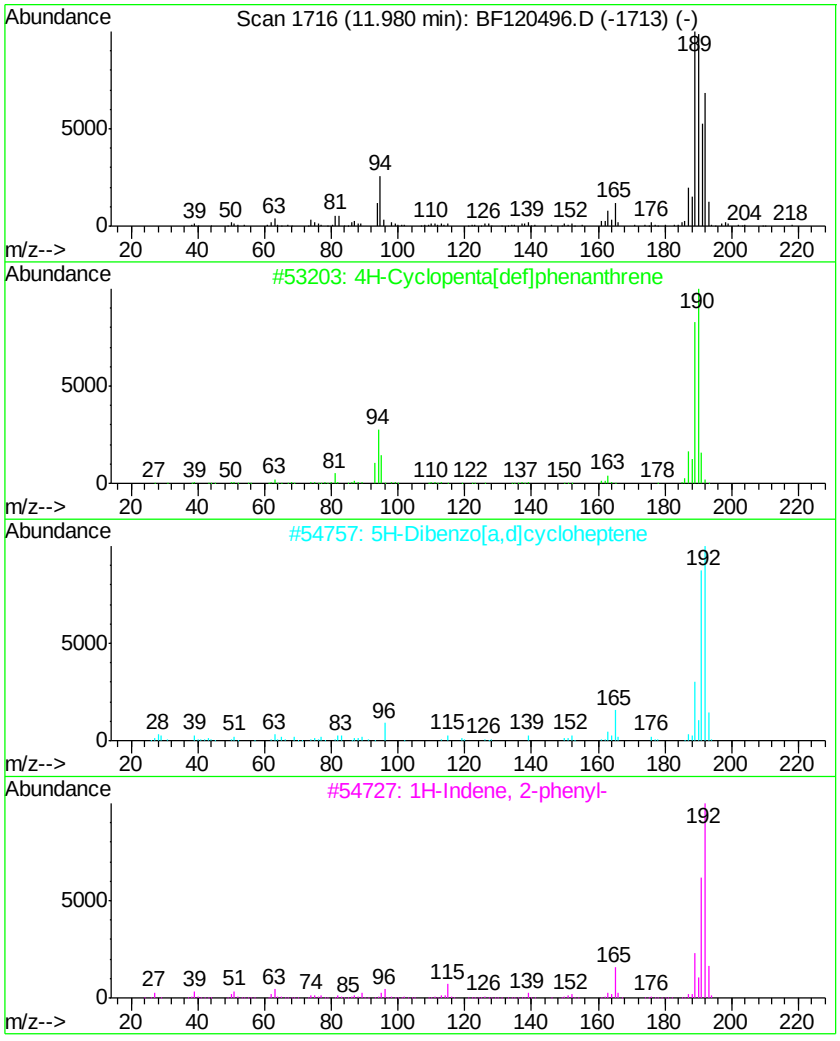
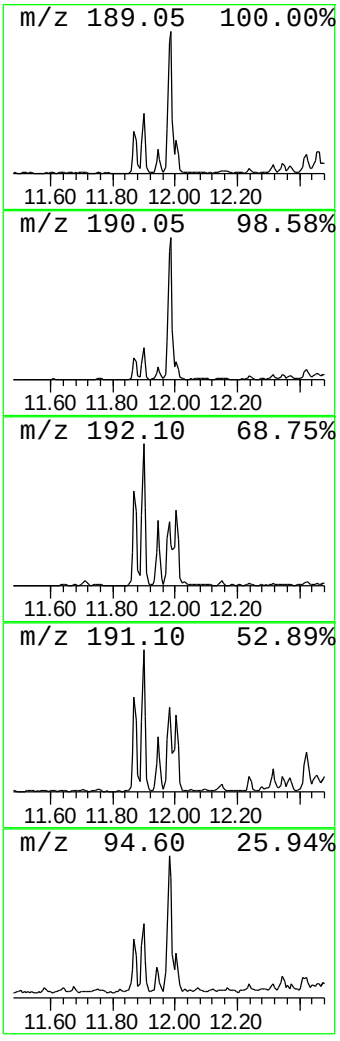
Peak Number 9 4H-Cyclopenta[def]phenanthrene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.98	8.09 ng	437308	Phenanthrene-d10	11.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	92
2	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	38
3	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	38
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	25
5	1-(3-Nitro-phenyl)-pyrrolidine	192	C10H12N2O2	1000300-34-7	25





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TIC Integration Parameters: LSCINT.P

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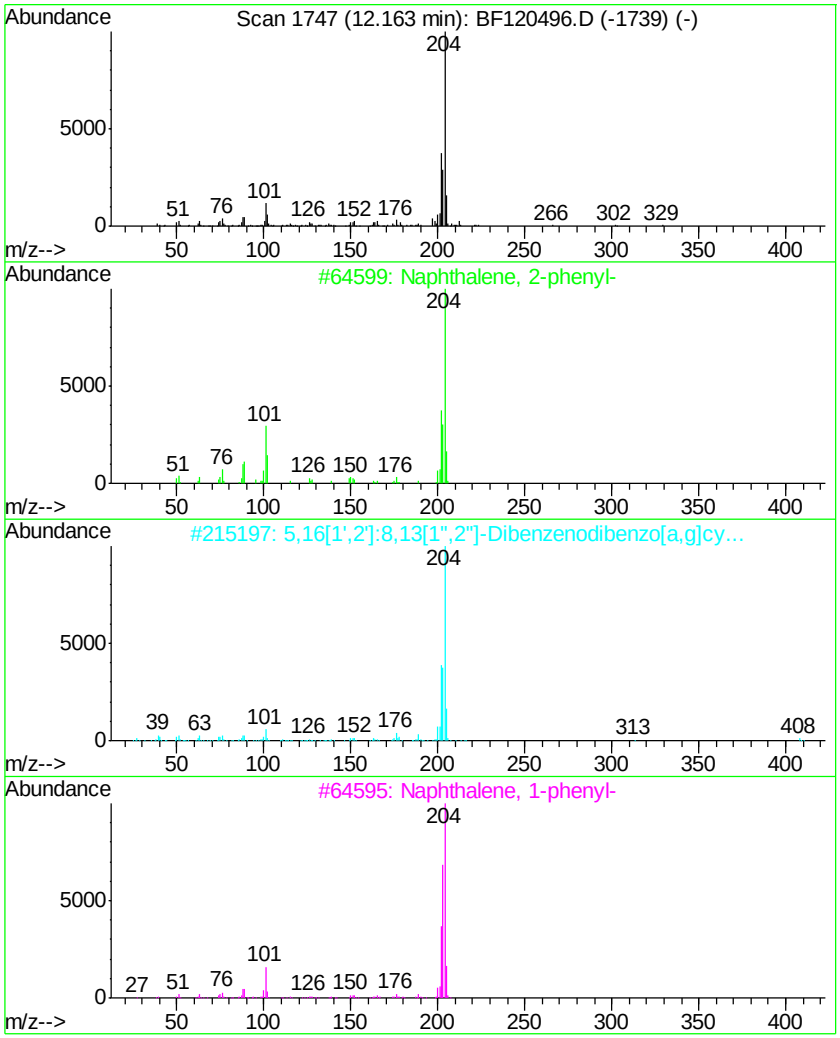
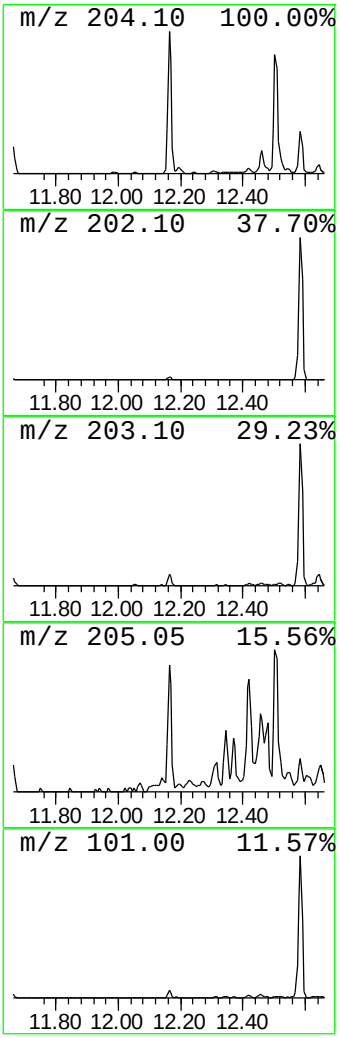
Peak Number 10 Naphthalene, 2-phenyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.16	4.59 ng	248092	Phenanthrene-d10	11.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	93
2	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	86
3	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	86
4	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	81
5	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	58





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ALS Vial : 13 Sample Multiplier: 1

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TIC Library : C:\DATABASE\NIST11.L
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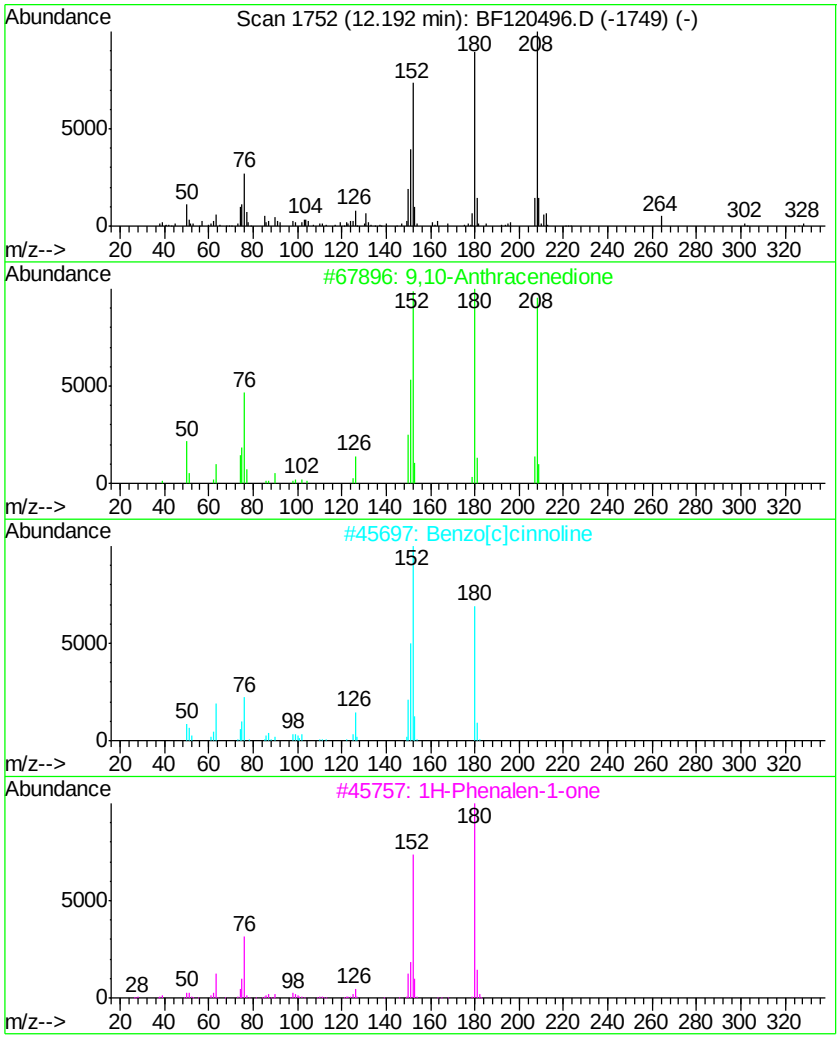
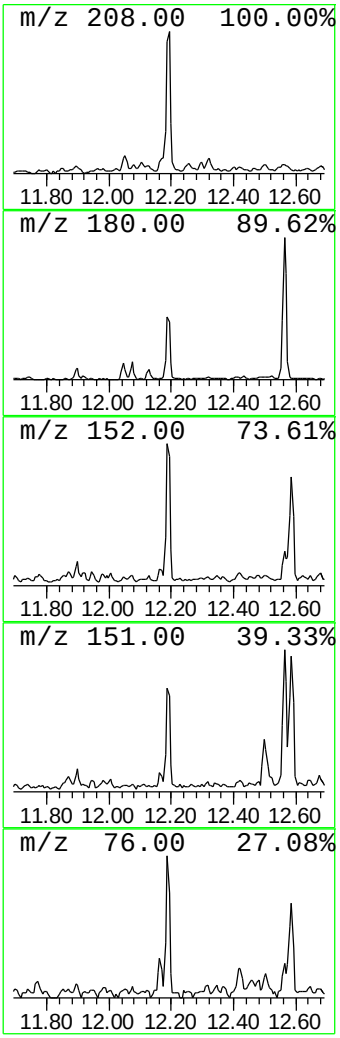
Peak Number 11 9,10-Anthracenedione Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.19	3.38 ng	182791	Phenanthrene-d10	11.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	99
2	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	78
3	1H-Phenalen-1-one	180	C13H8O	000548-39-0	60
4	9H-Fluoren-9-one	180	C13H8O	000486-25-9	58
5	1,4-Anthracenedione	208	C14H8O2	000635-12-1	53





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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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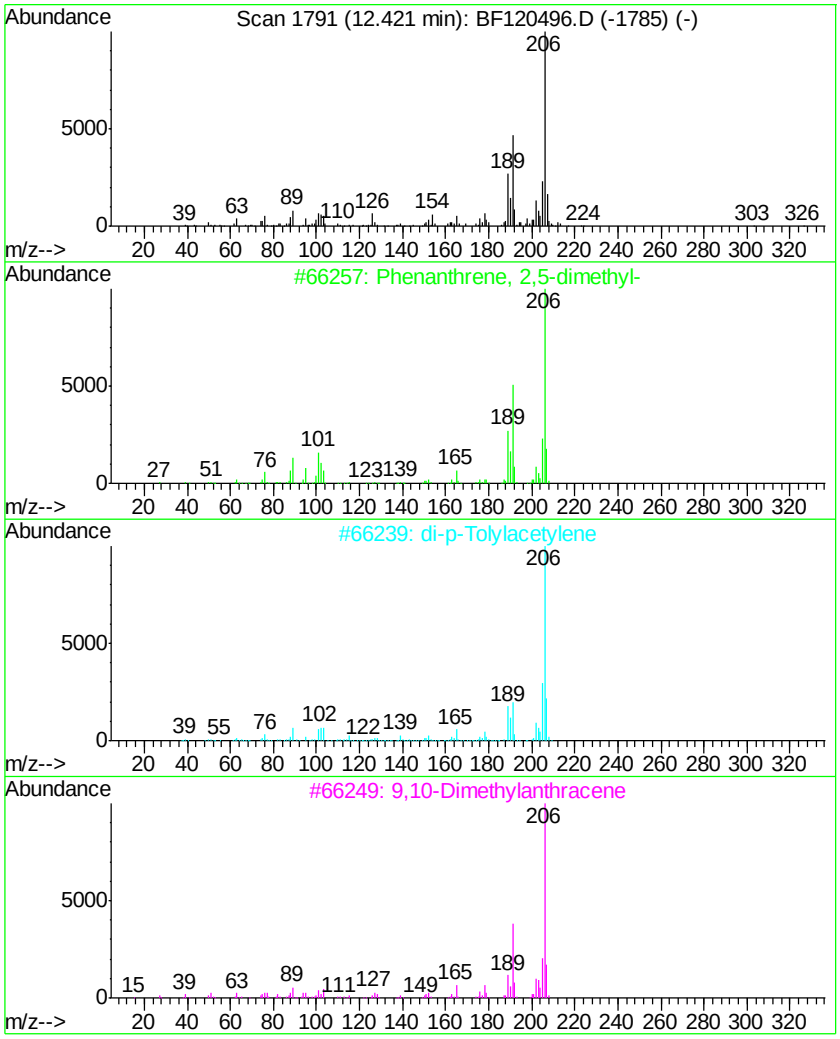
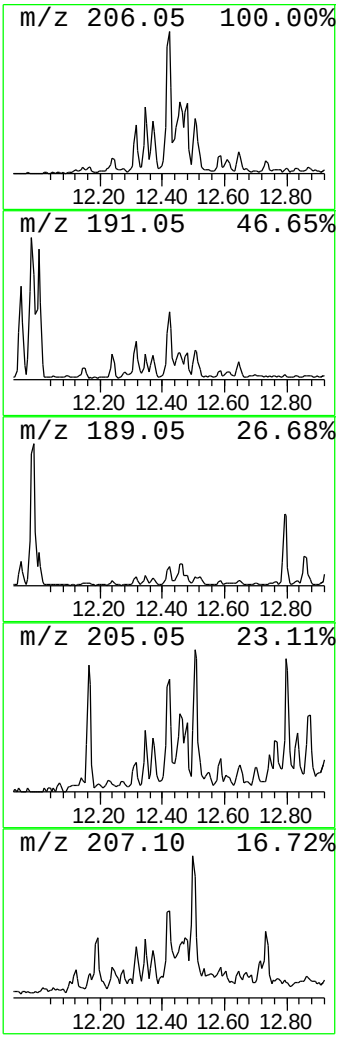
Peak Number 12 Phenanthrene, 2,5-dimethyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.42	4.39 ng	237470	Phenanthrene-d10	11.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	98
2	di-p-Tolylacetylene	206	C16H14	002789-88-0	96
3	9,10-Dimethylanthracene	206	C16H14	000781-43-1	94
4	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	90
5	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	90





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Instrument : BNA_F
ClientSampleId : NM113-COMP-2020-0-6

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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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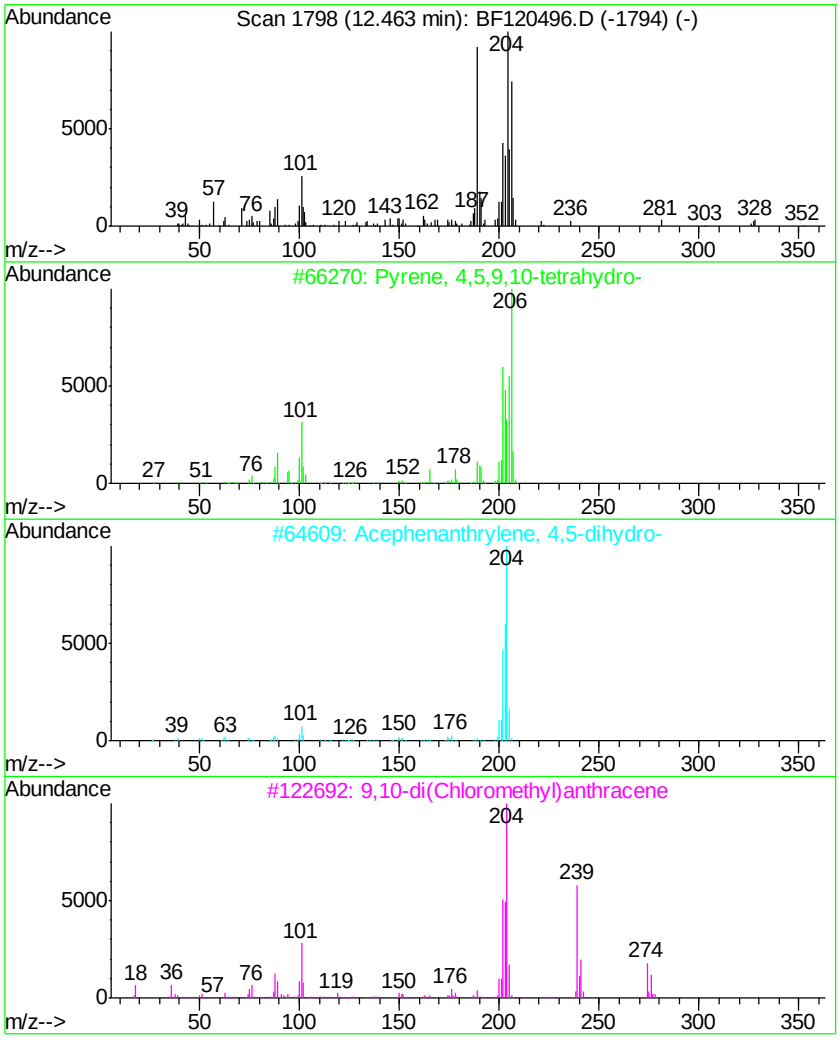
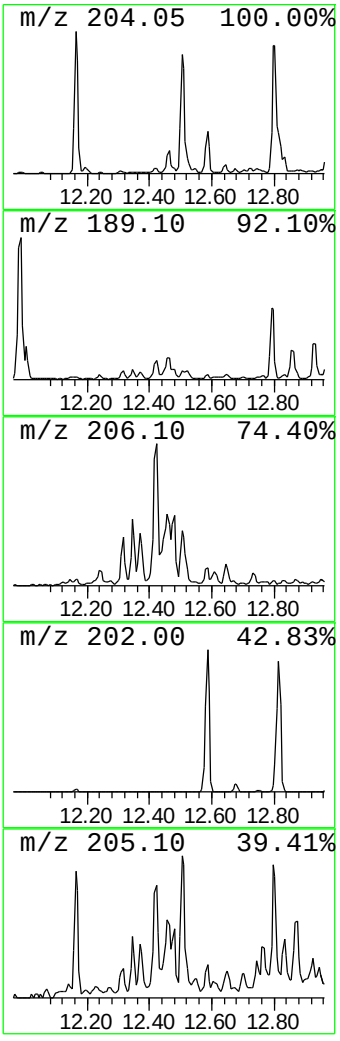
Peak Number 13 unknown12.46 Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.46	2.29 ng	124053	Phenanthrene-d10	11.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 4,5,9,10-tetrahydro-	206	C16H14	000781-17-9	41
2	Acephenanthrylene, 4,5-dihydro-	204	C16H12	006232-48-0	38
3	9,10-di(Chloromethyl)anthracene	274	C16H12Cl2	010387-13-0	35
4	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	35
5	1,4-Ethenoanthracene, 1,4-dihydro-	204	C16H12	027765-96-4	30





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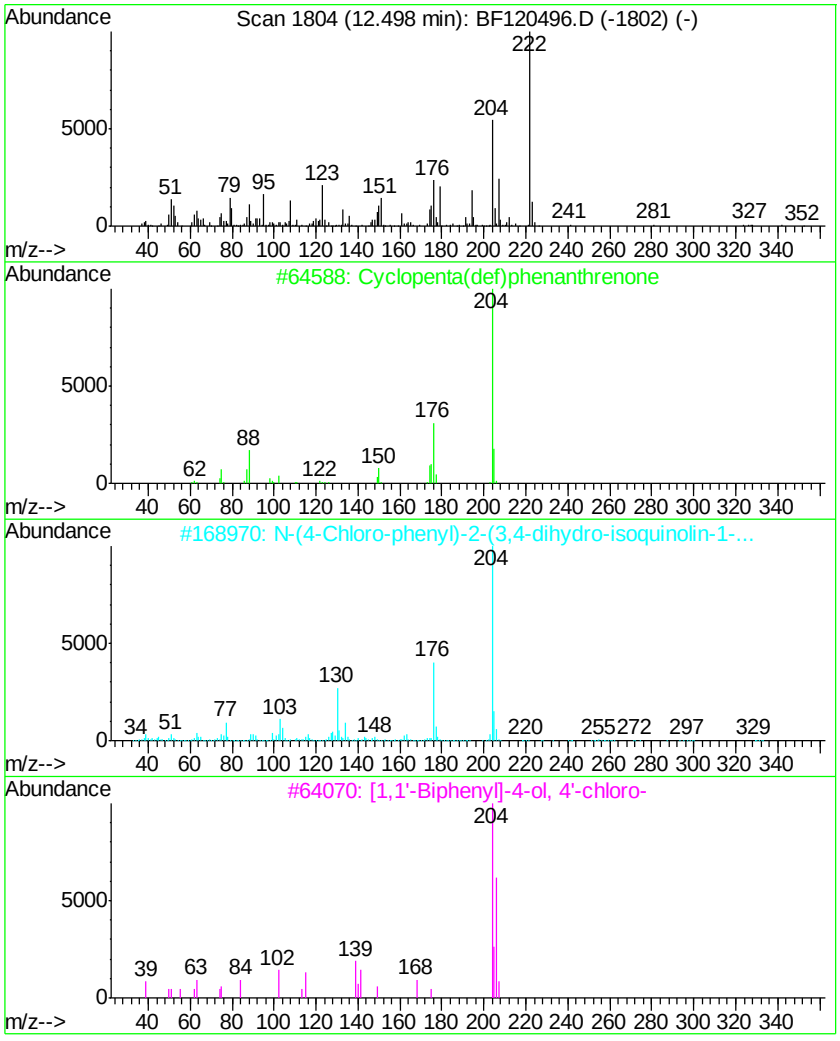
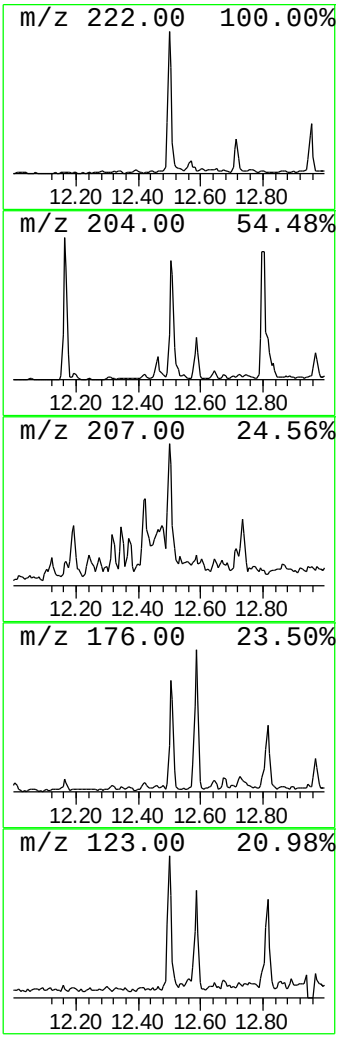
Peak Number 14 Cyclopenta(def)phenanthrenone Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.50	7.79 ng	421093	Phenanthrene-d10	11.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	95
2	N-(4-Chloro-phenyl)-2-(3,4-dihyd...	330	C17H15ClN2OS	1000296-34-3	43
3	[1,1'-Biphenyl]-4-ol, 4'-chloro-	204	C12H9ClO	028034-99-3	38
4	3,4-Biphenyldicarbonitrile	204	C14H8N2	004128-63-6	38
5	[1,1'-Biphenyl]-2,2'-dicarbonitrile	204	C14H8N2	004341-02-0	38





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Instrument : BNA_F
ClientSampleId : NM113-COMP-2020-0-6

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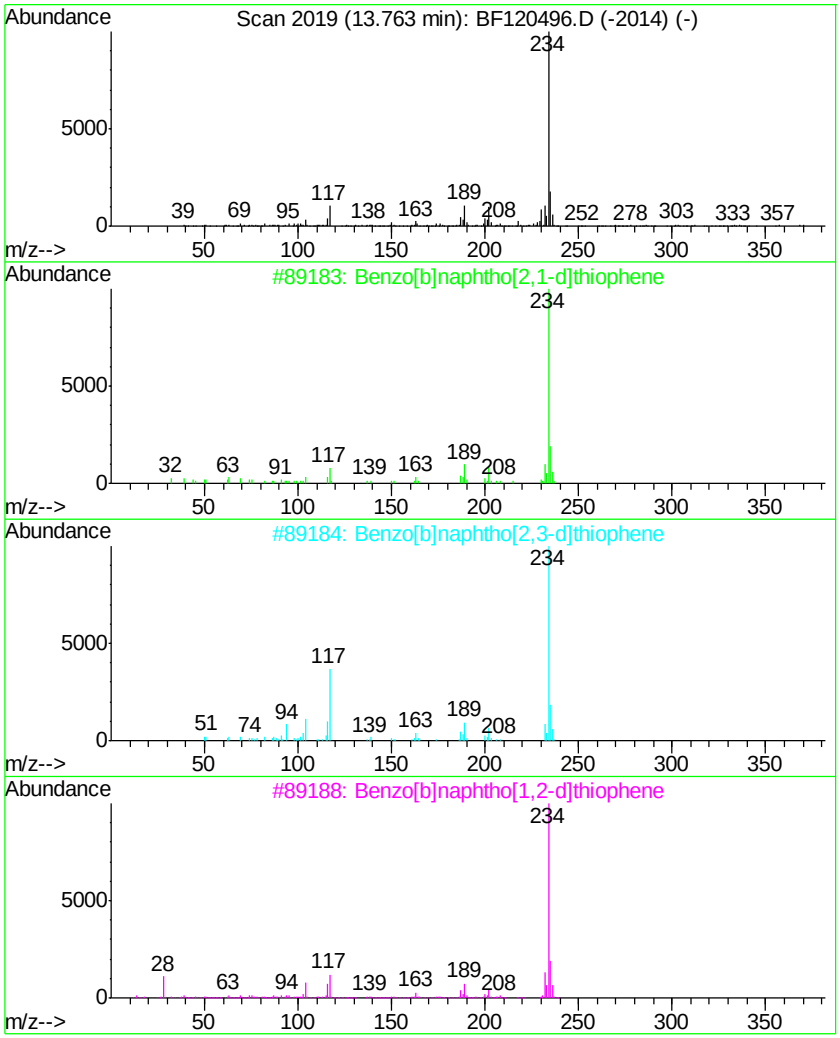
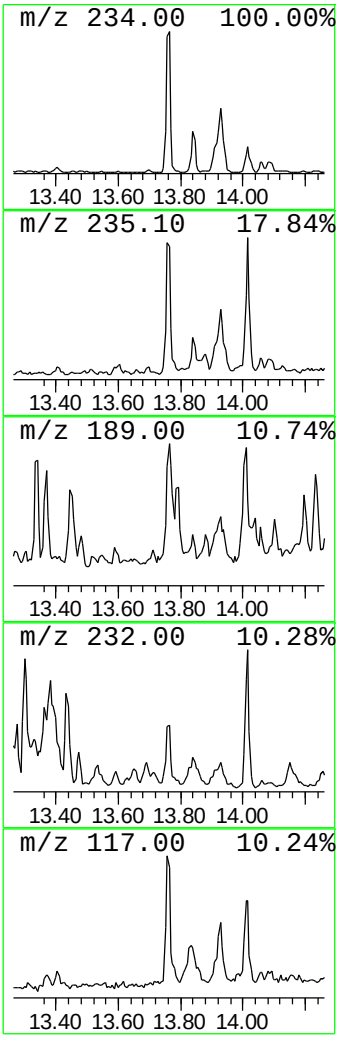
Peak Number 16 Benzo[b]naphtho[2,1-d]thiop... Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.76	2.32 ng	383863	Chrysene-d12	14.02

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	94
2	Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	64
3	Benzo[b]naphtho[1,2-d]thiophene	234	C16H10S	000205-43-6	58
4	Quinoxalino[2,3-b]quinoxaline, 5...	234	C14H10N4	000531-46-4	50
5	Bicyclo[3.1.0]hexane, 1,6-diphenyl-	234	C18H18	056143-23-8	38





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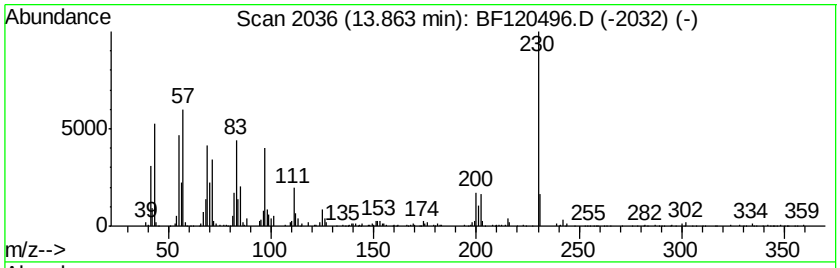
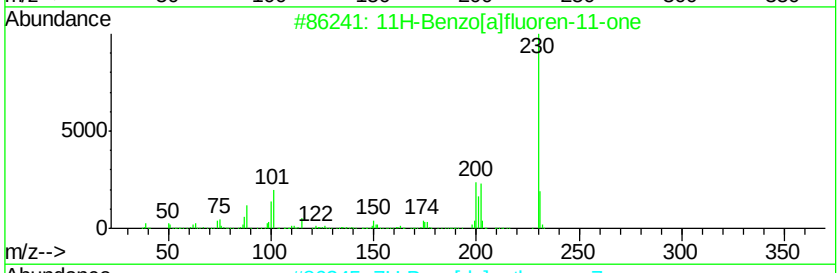
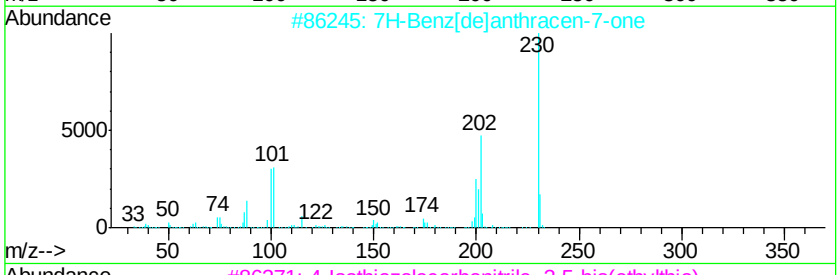
Peak Number 17 11H-Benzo[a]fluoren-11-one Concentration Rank 14

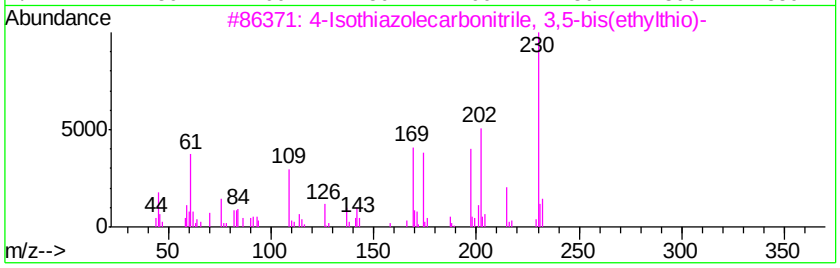
R.T.	EstConc	Area	Relative to ISTD	R.T.
13.86	3.95 ng	652291	Chrysene-d12	14.02

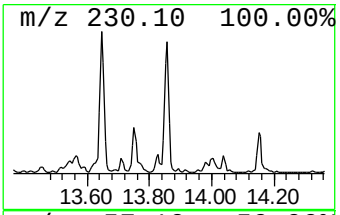
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluoren-11-one	230	C17H10O	000479-79-8	96
2	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	91
3	4-Isothiazolecarbonitrile, 3,5-b...	230	C8H10N2S3	024135-13-5	64
4	Pyrene, 1,3-dimethyl-	230	C18H14	064401-21-4	58
5	Benzo(b)phenazine	230	C16H10N2	000257-97-6	53

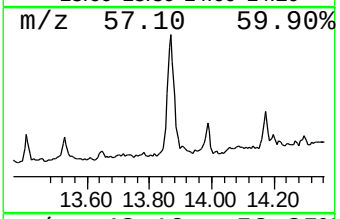


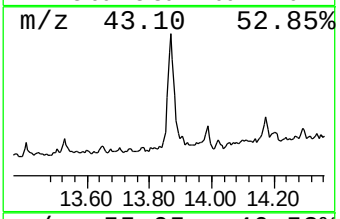


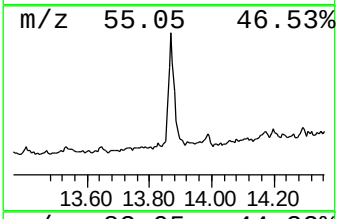


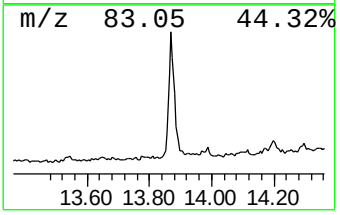












Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF060220\
Data File : BF120496.D
Acq On : 2 Jun 2020 15:50
Operator : JU/CG
Sample : L2773-25
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : NM113-COMP-2020-0-6

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

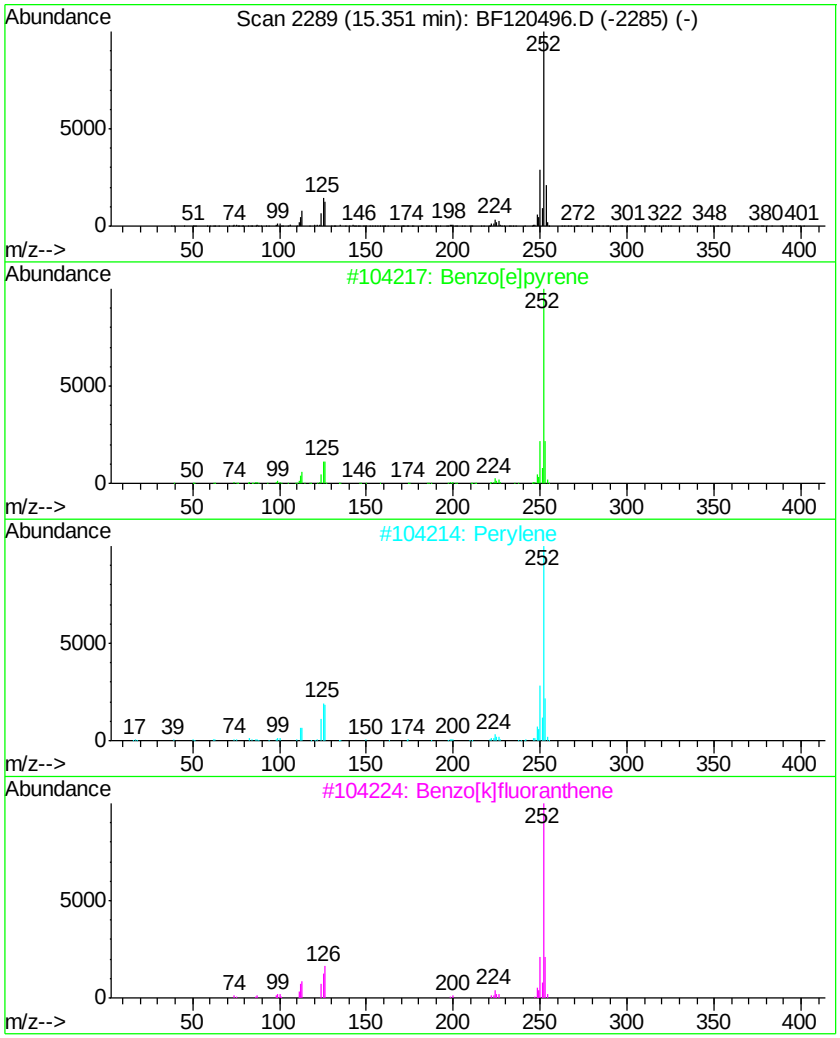
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

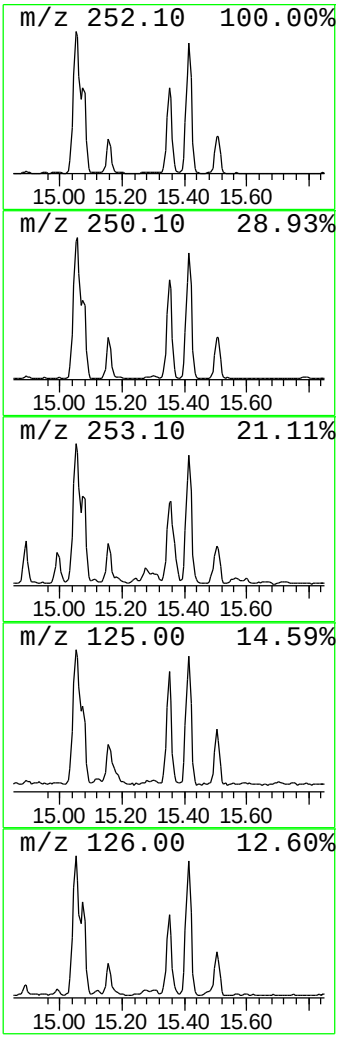
****

Peak Number 19 Benzo[e]pyrene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.35	18.23 ng	924650	Perylene-d12	15.47

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





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF060220\
Data File : BF120496.D
Acq On : 2 Jun 2020 15:50
Operator : JU/CG
Sample : L2773-25
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : NM113-COMP-2020-0-6

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

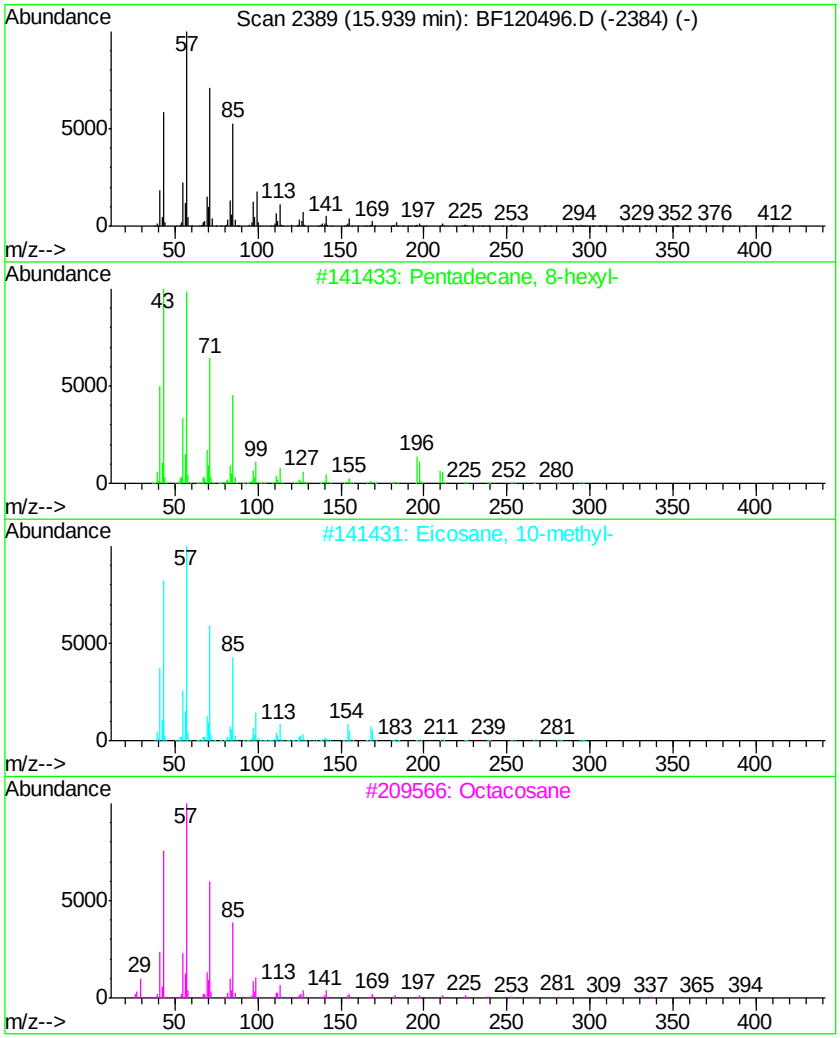
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

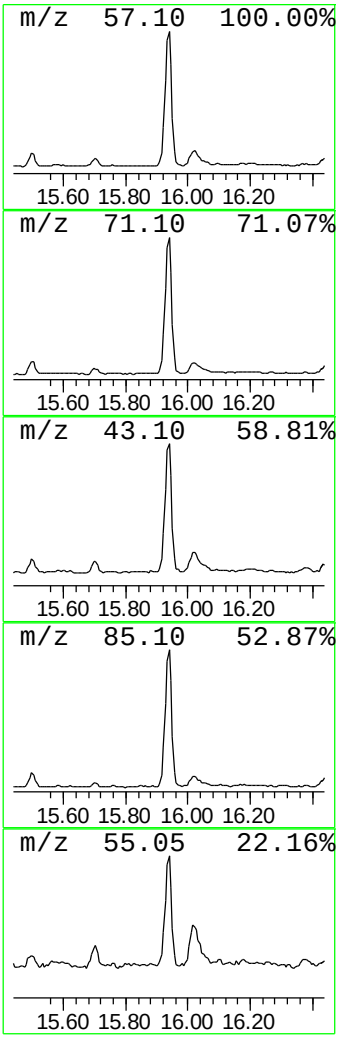
****

Peak Number 20 Pentadecane, 8-hexyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.94	25.54 ng	1295530	Perylene-d12	15.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentadecane, 8-hexyl-	296	C21H44	013475-75-7	94
2	Eicosane, 10-methyl-	296	C21H44	054833-23-7	93
3	Octacosane	394	C28H58	000630-02-4	91
4	Hexacosane	366	C26H54	000630-01-3	91
5	Heneicosane	296	C21H44	000629-94-7	91





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF060220\
Data File : BF120496.D
Acq On : 2 Jun 2020 15:50
Operator : JU/CG
Sample : L2773-25
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : NM113-COMP-2020-0-6

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
Methylene chloride	1.96	34.3	ng	1461790	1	6.85	852945	20.0
Butane, 2-methoxy...	2.09	22.4	ng	953734	1	6.85	852945	20.0
Butanoic acid, 3-...	5.18	8.6	ng	367106	1	6.85	852945	20.0
2-Propenal, 3-(4-...	11.02	2.7	ng	144680	4	11.37	1081530	20.0
Phenanthrene, 2-m...	11.87	4.9	ng	263993	4	11.37	1081530	20.0
Phenanthrene, 1-m...	11.90	6.7	ng	359341	4	11.37	1081530	20.0
Anthracene, 2-met...	11.95	2.4	ng	131560	4	11.37	1081530	20.0
4H-Cyclopenta[def...	11.98	8.1	ng	437308	4	11.37	1081530	20.0
Naphthalene, 2-ph...	12.16	4.6	ng	248092	4	11.37	1081530	20.0
9,10-Anthracenedione	12.19	3.4	ng	182791	4	11.37	1081530	20.0
Phenanthrene, 2,5...	12.42	4.4	ng	237470	4	11.37	1081530	20.0
unknown12.46	12.46	2.3	ng	124053	4	11.37	1081530	20.0
Cyclopenta(def)ph...	12.50	7.8	ng	421093	4	11.37	1081530	20.0
Benzo[b]naphtho[2...	13.76	2.3	ng	383863	5	14.02	3302460	20.0
11H-Benzo[a]fluor...	13.86	4.0	ng	652291	5	14.02	3302460	20.0
Benzo[e]pyrene	15.35	18.2	ng	924650	6	15.47	1014460	20.0
Pentadecane, 8-he...	15.94	25.5	ng	1295530	6	15.47	1014460	20.0