LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF010820\
Data File : BF118512.D
Acq On : 8 Jan 2020 21:41
Operator : JU
Sample : L1013-01 2X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PL-01-010720

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-BF010820.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	5.010	494	497	509	rBV	55227	65087	1.52%	0.142%
2	5.440	567	570	585	rBV	319444	372112	8.68%	0.814%
3	6.463	741	744	757	rBV	354719	400291	9.34%	0.875%
4	6.598	764	767	773	rBV	521219	438001	10.22%	0.958%
5	6.828	802	806	812	rVB	362722	327868	7.65%	0.717%
6	6.981	829	832	838	rVB	395081	321207	7.50%	0.702%
7	7.392	899	902	905	rBV	277721	248188	5.79%	0.543%
8	8.110	1022	1024	1027	rBV	482189	431721	10.07%	0.944%
9	8.933	1159	1164	1169	rBV2	72297	90373	2.11%	0.198%
10	9.192	1204	1208	1212	rBV	669312	564335	13.17%	1.234%
11	9.269	1217	1221	1224	rBV	130438	110307	2.57%	0.241%
12	9.463	1249	1254	1258	rVB2	51925	64991	1.52%	0.142%
13	9.533	1263	1266	1268	rVV	84535	97600	2.28%	0.213%
14	9.586	1272	1275	1284	rVB6	91868	181081	4.23%	0.396%
15	9.733	1297	1300	1304	rBV	362076	347706	8.11%	0.760%
16	9.798	1309	1311	1314	rVB	142737	107541	2.51%	0.235%
17	9.875	1321	1324	1327	rVB	710717	551625	12.87%	1.206%
18	9.916	1327	1331	1334	rBV2	688443	554987	12.95%	1.213%
19	10.080	1357	1359	1363	rVB2	132538	120634	2.81%	0.264%
20	10.122	1363	1366	1370	rVB2	80977	95726	2.23%	0.209%
21	10.192	1374	1378	1380	rBV	72626	84894	1.98%	0.186%
22	10.298	1394	1396	1399	rVB	159878	126968	2.96%	0.278%
23	10.428	1415	1418	1424	rVB2	211729	211602	4.94%	0.463%
24	10.669	1456	1459	1465	rBV	387165	349080	8.15%	0.763%
25	10.775	1474	1477	1486	rVB3	158276	230344	5.38%	0.504%
26	10.880	1492	1495	1499	rVB	294248	230248	5.37%	0.503%
27	10.975	1507	1511	1514	rBV3	73740	114000	2.66%	0.249%
28	11.227	1550	1554	1556	rBV2	149714	132097	3.08%	0.289%
29	11.263	1556	1560	1565	rVB2	113899	184649	4.31%	0.404%
30	11.369	1575	1578	1580	rBV	642273	577013	13.46%	1.261%
31	11.398	1580	1583	1586	rVV	1242567	1139740	26.60%	2.492%
32	11.445	1589	1591	1594	rVV	376014	335534	7.83%	0.734%
33	11.486	1594	1598	1603	rVB3	65160	103802	2.42%	0.227%
34	11.604	1615	1618	1622	rBV	125883	155813	3.64%	0.341%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF010820\
Data File : BF118512.D
Acq On : 8 Jan 2020 21:41
Operator : JU
Sample : L1013-01 2X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PL-01-010720

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-BF010820.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	11.657	1624	1627	1629	rVV2	130825	142259	3.32%	0.311%
36	11.704	1633	1635	1641	rVB3	72914	112797	2.63%	0.247%
37	11.757	1641	1644	1647	rBV	1504091	1174495	27.41%	2.568%
38	11.874	1661	1664	1666	rBV	286813	240128	5.60%	0.525%
39	11.904	1666	1669	1672	rVB	436383	416561	9.72%	0.911%
40	11.951	1674	1677	1680	rBV	116311	103508	2.42%	0.226%
41	11.986	1680	1683	1686	rBV	347125	379070	8.85%	0.829%
42	12.010	1686	1687	1692	rVB	166723	104046	2.43%	0.227%
43	12.063	1692	1696	1698	rBV3	108706	104913	2.45%	0.229%
44	12.169	1710	1714	1718	rBV	156652	156563	3.65%	0.342%
45	12.204	1718	1720	1724	rVB	104977	102096	2.38%	0.223%
46	12.322	1735	1740	1742	rBV2	49633	65378	1.53%	0.143%
47	12.427	1754	1758	1759	rBV	204747	202698	4.73%	0.443%
48	12.451	1759	1762	1764	rVV	3590623	3499034	81.65%	7.650%
49	12.474	1764	1766	1771	rVB	5094534	4285461	100.00%	9.369%
50	12.521	1771	1774	1777	rVB3	166060	156025	3.64%	0.341%
51	12.551	1777	1779	1783	rVB	545915	442081	10.32%	0.966%
52	12.598	1783	1787	1790	rBV	2463863	2346700	54.76%	5.130%
53	12.692	1800	1803	1806	rVB	219262	196859	4.59%	0.430%
54	12.745	1808	1812	1814	rVV3	96553	113782	2.66%	0.249%
55	12.792	1818	1820	1821	rVV	91869	84086	1.96%	0.184%
56	12.827	1821	1826	1832	rVV	2087948	2371949	55.35%	5.186%
57	12.874	1832	1834	1838	rVB2	114998	122846	2.87%	0.269%
58	12.963	1843	1849	1851	rBV2	649564	681357	15.90%	1.490%
59	12.992	1851	1854	1858	rVB2	115875	134120	3.13%	0.293%
60	13.045	1858	1863	1867	rBV2	228337	418515	9.77%	0.915%
61	13.133	1873	1878	1879	rBV3	221108	309808	7.23%	0.677%
62	13.151	1879	1881	1885	rVB	405692	418033	9.75%	0.914%
63	13.204	1885	1890	1891	rBV4	136692	205349	4.79%	0.449%
64	13.221	1891	1893	1895	rVV	321302	242222	5.65%	0.530%
65	13.257	1895	1899	1902	rVV2	302770	348124	8.12%	0.761%
66	13.316	1906	1909	1911	rBV2	63562	61100	1.43%	0.134%
67	13.351	1912	1915	1918	rVB	199500	163733	3.82%	0.358%
68	13.386	1918	1921	1929	rVB2	192966	245568	5.73%	0.537%
69	13.527	1943	1945	1947	rBV2	83585	71736	1.67%	0.157%
70	13.557	1947	1950	1952	rBV2	60488	65765	1.53%	0.144%
71	13.639	1961	1964	1966	rBV2	78180	73074	1.71%	0.160%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF010820\
Data File : BF118512.D
Acq On : 8 Jan 2020 21:41
Operator : JU
Sample : L1013-01 2X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PL-01-010720

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-BF010820.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	13.668	1966	1969	1972	rVV	274873	252600	5.89%	0.552%
73	13.780	1983	1988	1990	rBV	303363	355906	8.30%	0.778%
74	13.804	1990	1992	1994	rVB	220383	161108	3.76%	0.352%
75	13.827	1994	1996	1998	rBV	163895	158712	3.70%	0.347%
76	13.880	2003	2005	2008	rVB	260932	221466	5.17%	0.484%
77	13.951	2014	2017	2023	rVB3	128368	146772	3.42%	0.321%
78	14.027	2023	2030	2033	rBV2	1850953	2663566	62.15%	5.823%
79	14.057	2033	2035	2039	rVB	1387583	1307318	30.51%	2.858%
80	14.139	2046	2049	2051	rVB	175790	142314	3.32%	0.311%
81	14.180	2053	2056	2062	rVV3	274488	351085	8.19%	0.768%
82	14.263	2066	2070	2072	rVV2	107483	144655	3.38%	0.316%
83	14.380	2088	2090	2092	rBV	163822	163308	3.81%	0.357%
84	14.421	2092	2097	2099	rVB	405021	456843	10.66%	0.999%
85	14.451	2100	2102	2104	rBV	156789	126948	2.96%	0.278%
86	14.515	2111	2113	2116	rBV	82863	63140	1.47%	0.138%
87	14.545	2116	2118	2120	rVV	205980	183741	4.29%	0.402%
88	14.568	2120	2122	2125	rVB3	185229	169754	3.96%	0.371%
89	14.915	2178	2181	2186	rBV3	253279	369768	8.63%	0.808%
90	15.092	2205	2211	2213	rBV	1248467	1848775	43.14%	4.042%
91	15.115	2213	2215	2220	rVB2	728338	788365	18.40%	1.724%
92	15.198	2225	2229	2233	rVV	310715	366036	8.54%	0.800%
93	15.398	2258	2263	2268	rVB	793896	973375	22.71%	2.128%
94	15.462	2269	2274	2278	rVB	1006858	1324186	30.90%	2.895%
95	15.521	2279	2284	2287	rVV	435231	592658	13.83%	1.296%
96	15.551	2287	2289	2295	rVB2	328769	431920	10.08%	0.944%
97	15.951	2353	2357	2365	rVB3	126176	216898	5.06%	0.474%
98	17.027	2533	2540	2547	rBV	493947	1001577	23.37%	2.190%
99	17.198	2565	2569	2575	rBV	100561	213271	4.98%	0.466%
100	17.480	2611	2617	2630	rVB	336937	715763	16.70%	1.565%

Sum of corrected areas: 45740832

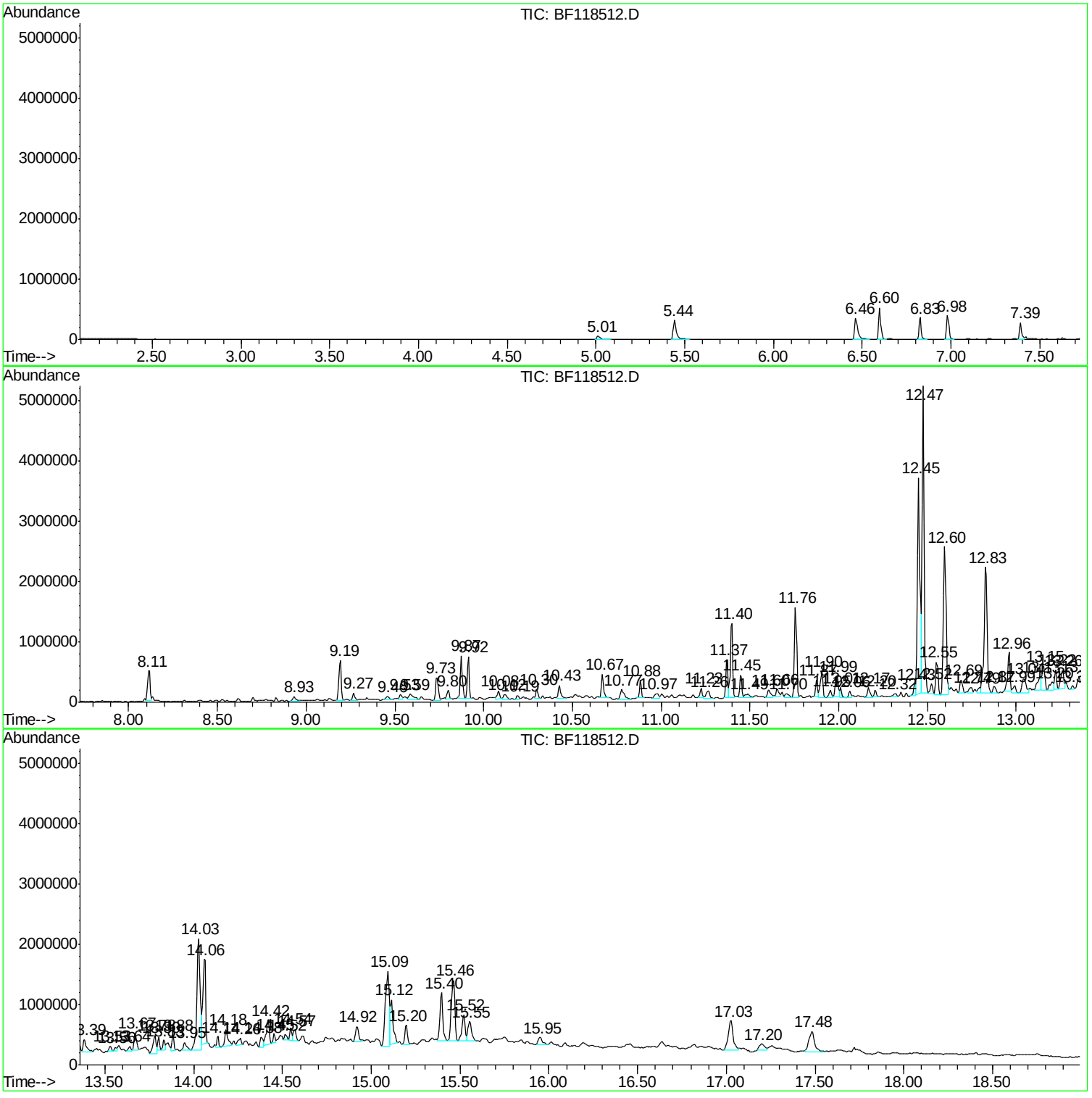
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF010820\
Data File : BF118512.D
Acq On : 8 Jan 2020 21:41
Operator : JU
Sample : L1013-01 2X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PL-01-010720

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF010820.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\BF010820\
Data File : BF118512.D
Acq On : 8 Jan 2020 21:41
Operator : JU
Sample : L1013-01 2X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PL-01-010720

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF010820.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

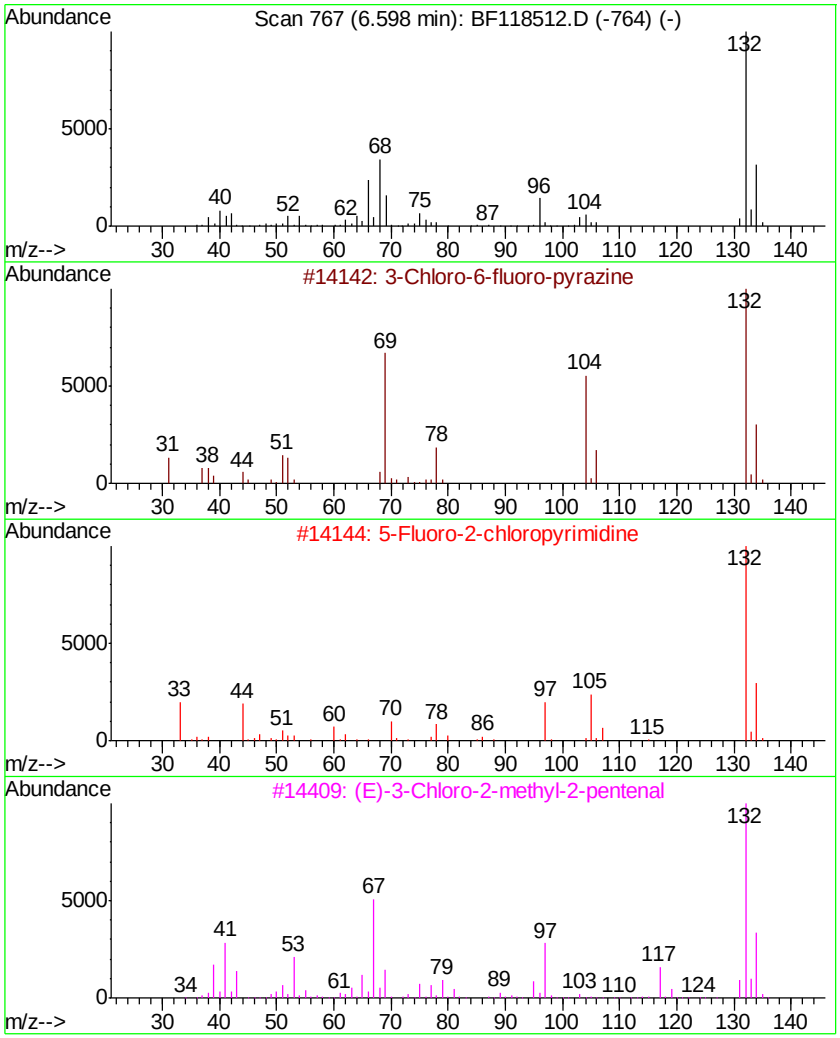
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

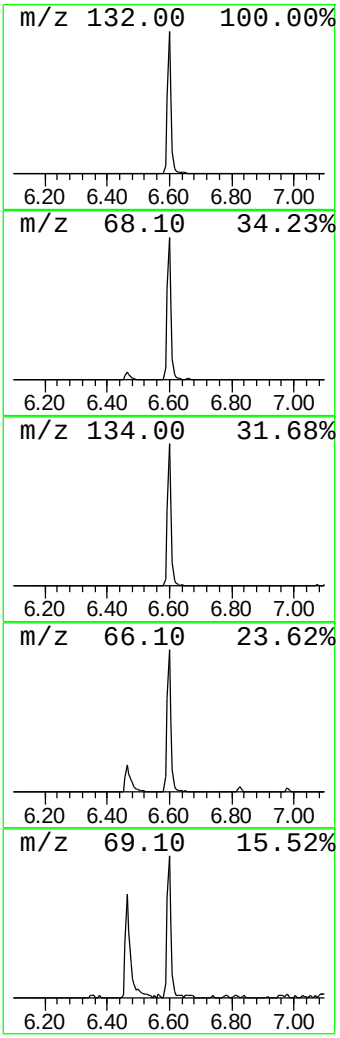
****

Peak Number 1 unknown6.60 Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.60	26.72 ng	438001	1,4-Dichlorobenzene-d4	6.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	35
2	5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	17
3	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	17
4	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	16
5	(5-Methyl-2-pyridyl)acetonitrile	132	C8H8N2	1000241-93-9	10





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF010820\
Data File : BF118512.D
Acq On : 8 Jan 2020 21:41
Operator : JU
Sample : L1013-01 2X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PL-01-010720

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF010820.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

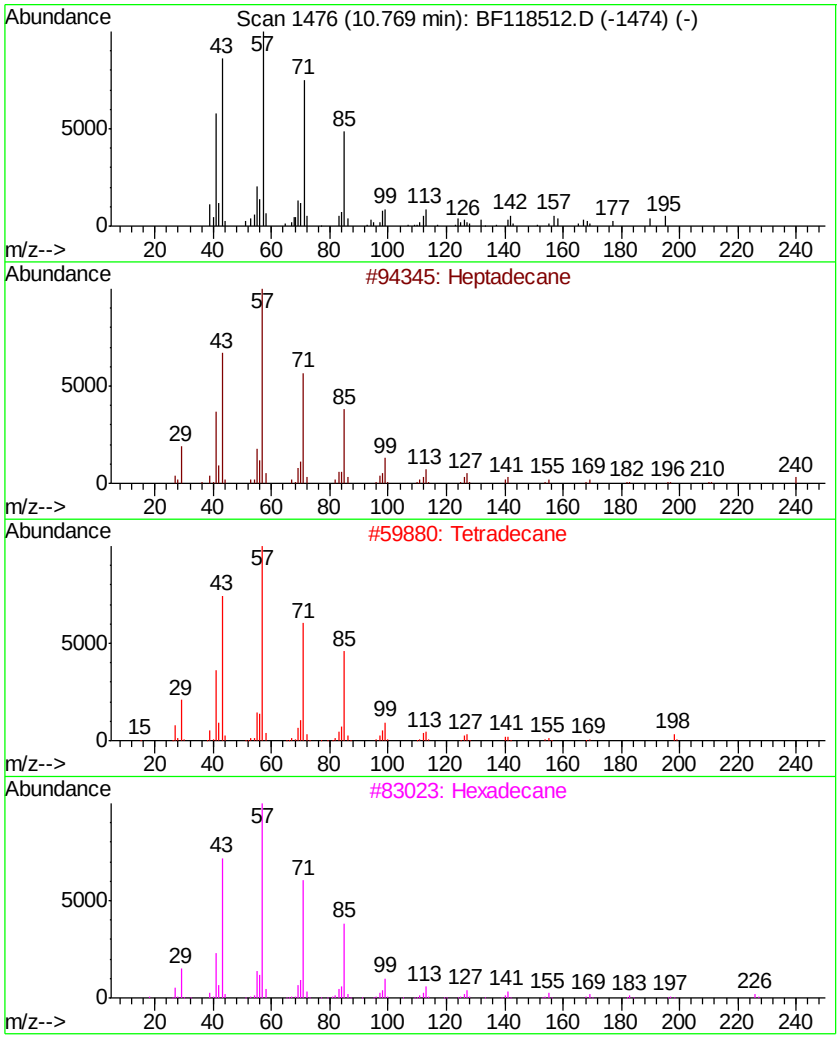
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

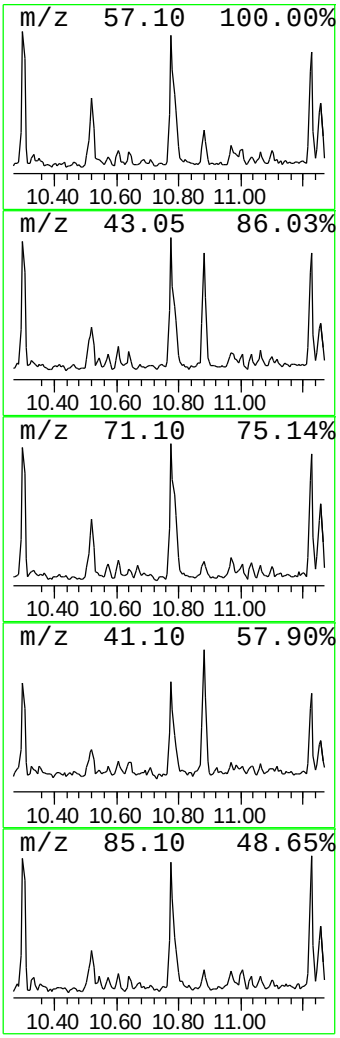
****

Peak Number 4 Heptadecane Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.77	7.98 ng	230344	Phenanthrene-d10	11.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptadecane	240	C17H36	000629-78-7	91
2	Tetradecane	198	C14H30	000629-59-4	91
3	Hexadecane	226	C16H34	000544-76-3	90
4	Tridecane, 1-iodo-	310	C13H27I	035599-77-0	87
5	Octacosane	394	C28H58	000630-02-4	87





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF010820\
Data File : BF118512.D
Acq On : 8 Jan 2020 21:41
Operator : JU
Sample : L1013-01 2X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PL-01-010720

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF010820.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

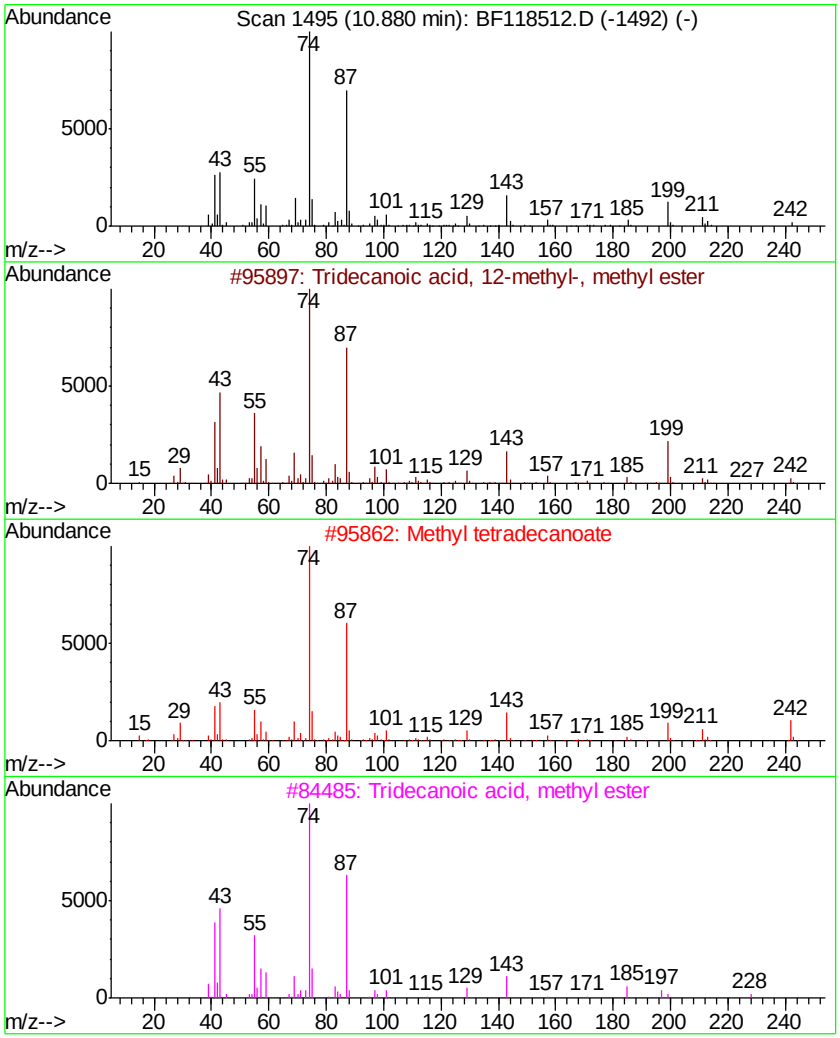
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

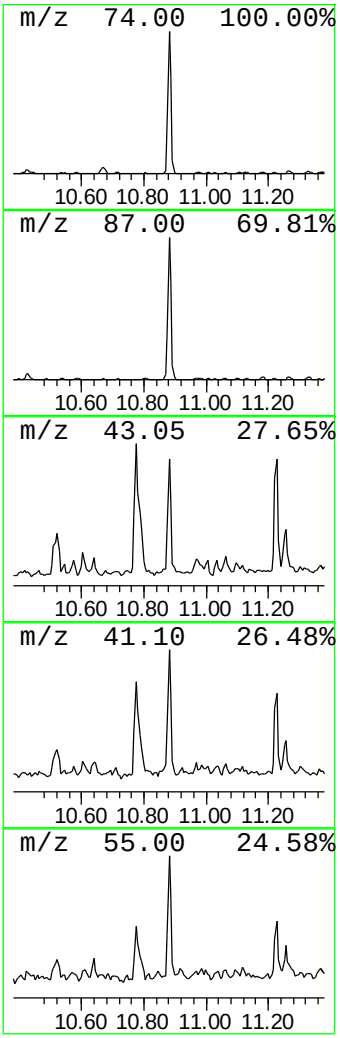
****

Peak Number 5 Tridecanoic acid, 12-methyl... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.88	7.98 ng	230248	Phenanthrene-d10	11.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecanoic acid, 12-methyl-, me...	242	C15H30O2	005129-58-8	91
2	Methyl tetradecanoate	242	C15H30O2	000124-10-7	90
3	Tridecanoic acid, methyl ester	228	C14H28O2	001731-88-0	86
4	Decanoic acid, methyl ester	186	C11H22O2	000110-42-9	86
5	Undecanoic acid, 10-methyl-, met...	214	C13H26O2	005129-56-6	86





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF010820\
Data File : BF118512.D
Acq On : 8 Jan 2020 21:41
Operator : JU
Sample : L1013-01 2X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PL-01-010720

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF010820.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

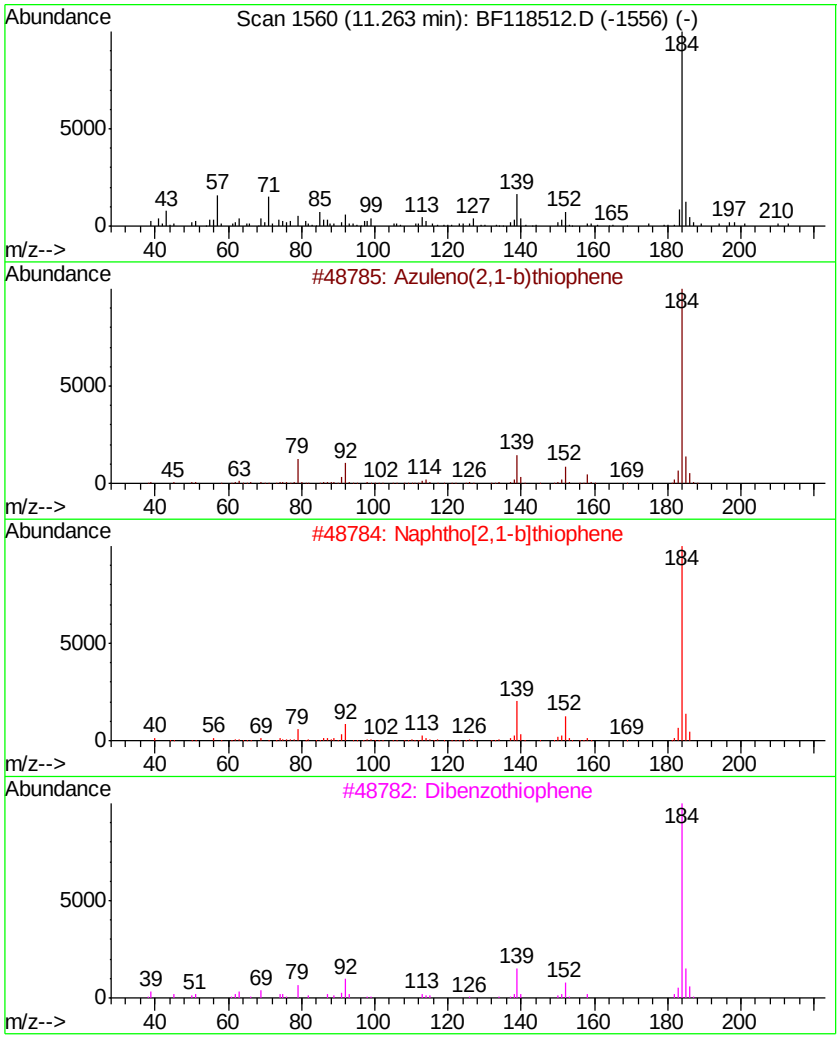
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

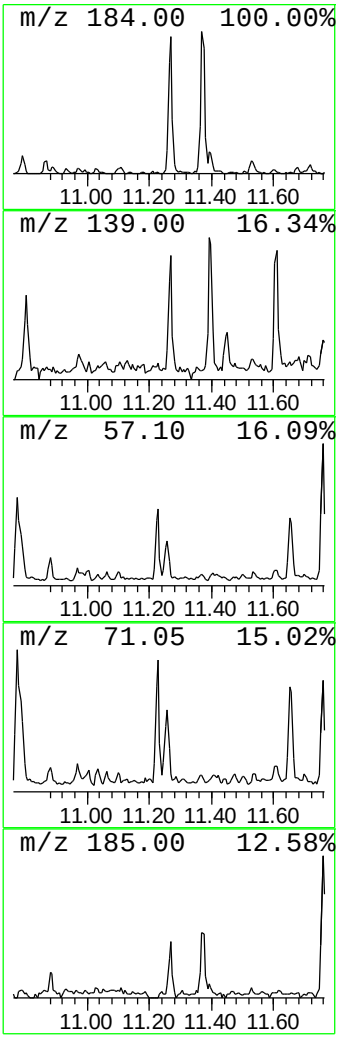
****

Peak Number 6 Azuleno(2,1-b)thiophene Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.26	6.40 ng	184649	Phenanthrene-d10	11.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	91
2	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	91
3	Dibenzothiophene	184	C12H8S	000132-65-0	91
4	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	90
5	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	87





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF010820\
Data File : BF118512.D
Acq On : 8 Jan 2020 21:41
Operator : JU
Sample : L1013-01 2X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PL-01-010720

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF010820.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

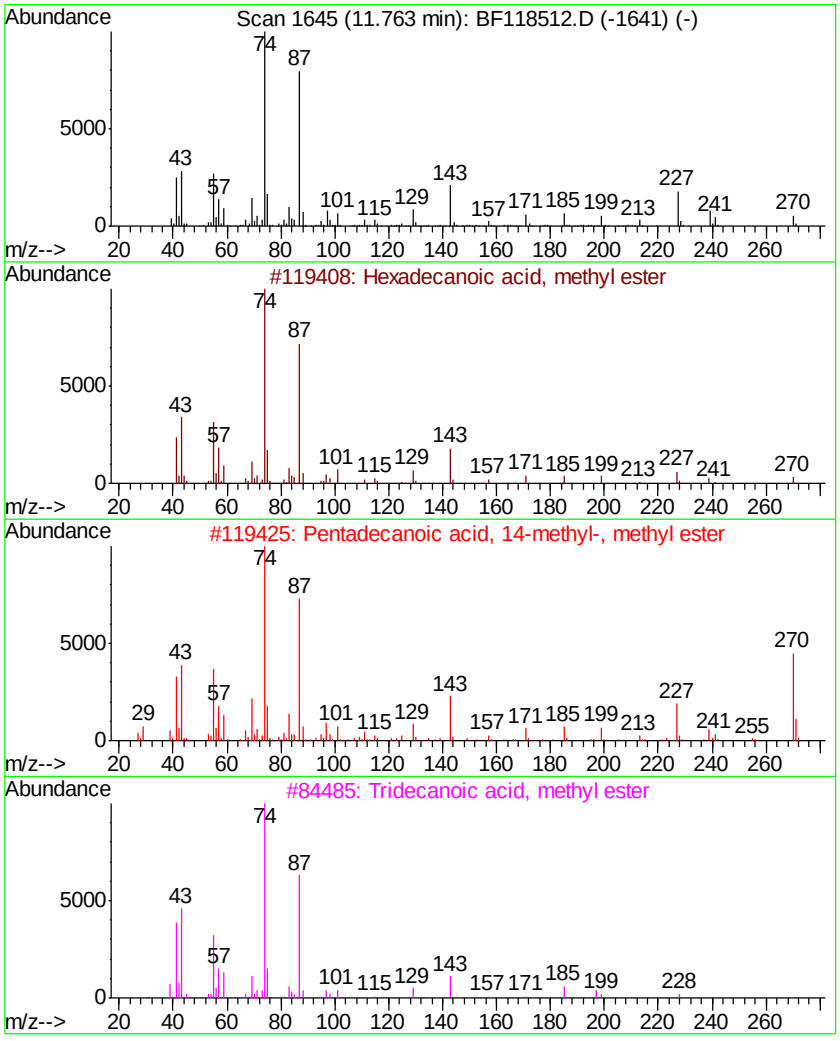
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

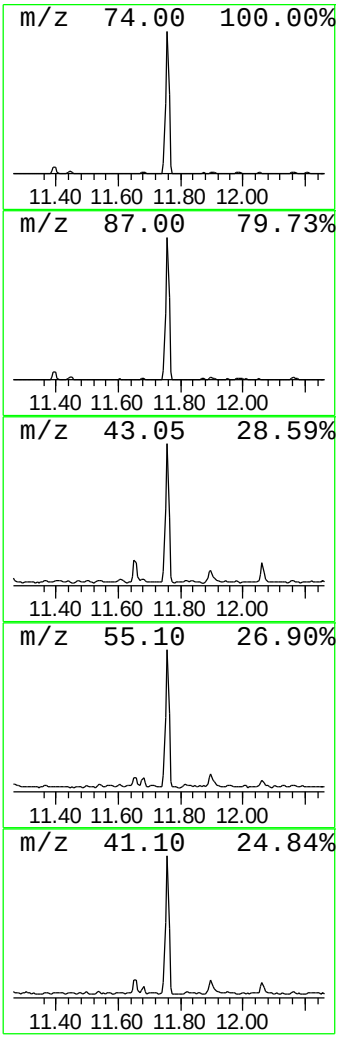
****

Peak Number 7 Hexadecanoic acid, methyl e... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.76	40.71 ng	1174500	Phenanthrene-d10	11.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecanoic acid, methyl ester	270	C17H34O2	000112-39-0	98
2	Pentadecanoic acid, 14-methyl-, ...	270	C17H34O2	005129-60-2	90
3	Tridecanoic acid, methyl ester	228	C14H28O2	001731-88-0	90
4	Decanoic acid, methyl ester	186	C11H22O2	000110-42-9	87
5	Hexadecanoic acid, 15-methyl-, m...	284	C18H36O2	006929-04-0	86





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Data File : BF118512.D
Acq On : 8 Jan 2020 21:41
Operator : JU
Sample : L1013-01 2X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PL-01-010720

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF010820.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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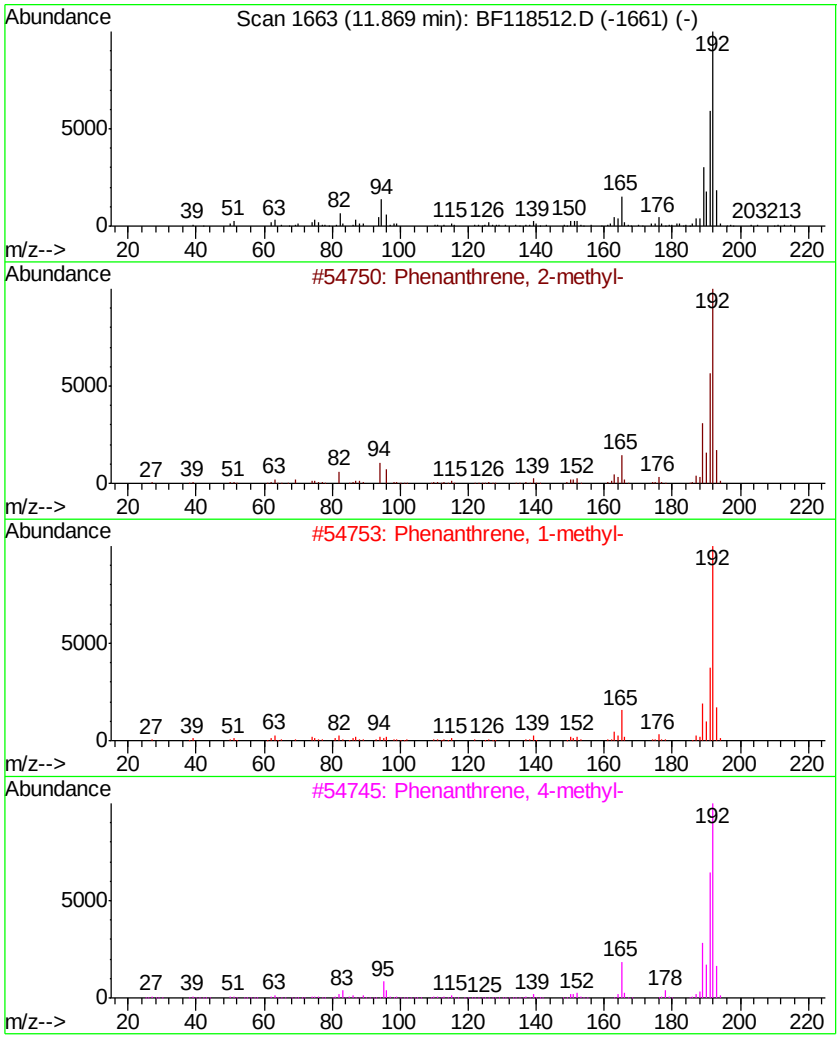
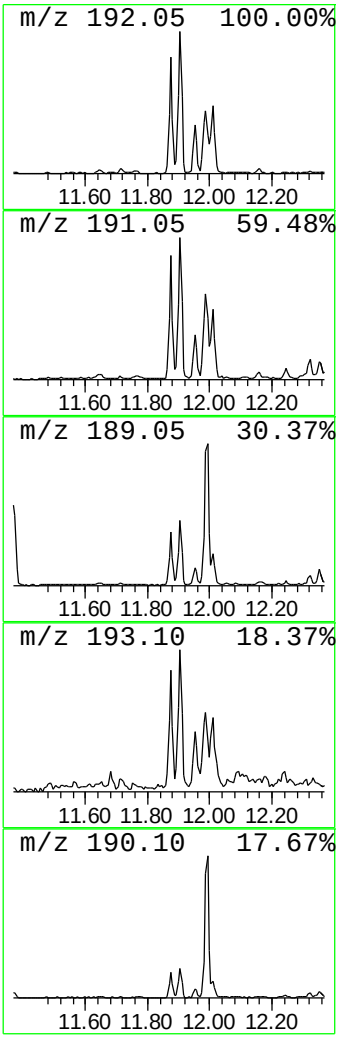
Peak Number 8 Phenanthrene, 2-methyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.87	8.32 ng	240128	Phenanthrene-d10	11.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
3	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	95
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	95





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Acq On : 8 Jan 2020 21:41
Operator : JU
Sample : L1013-01 2X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PL-01-010720

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF010820.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

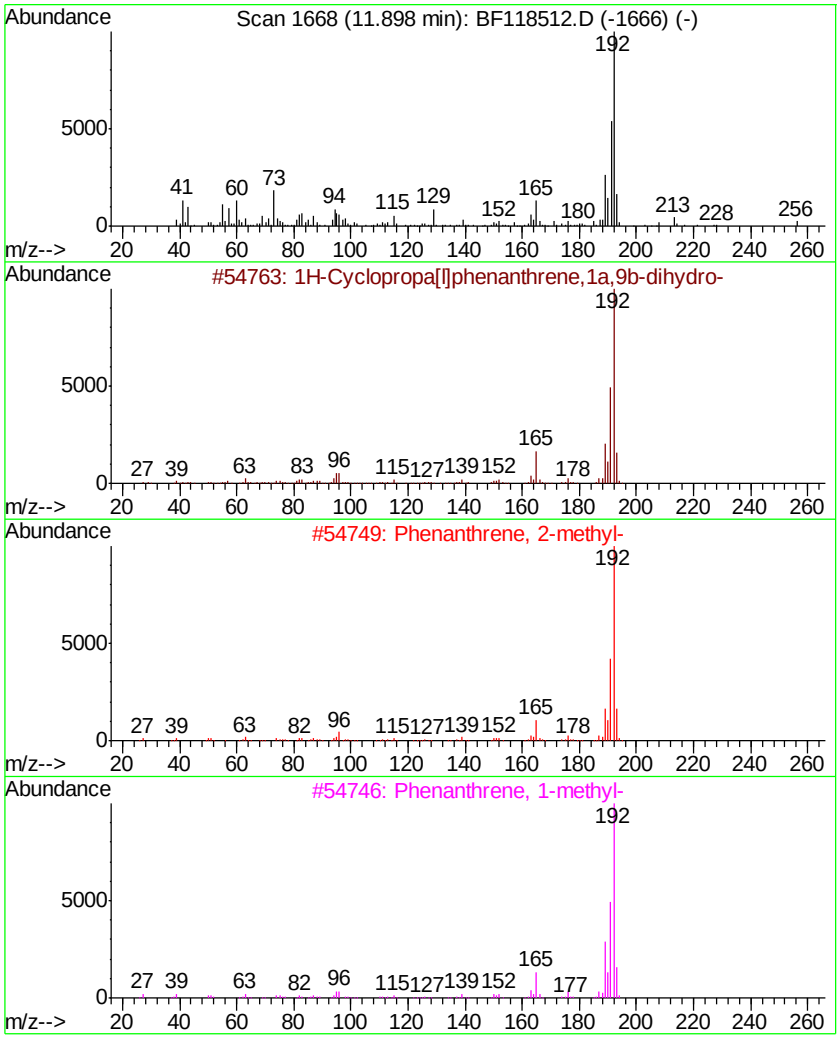
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

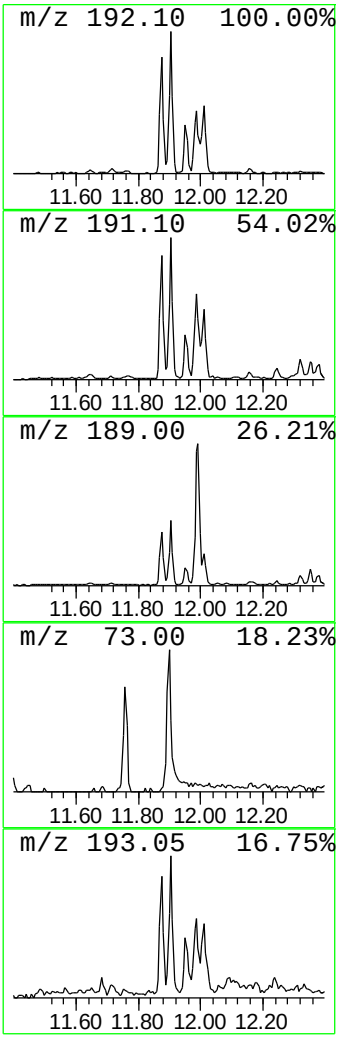
****

Peak Number 9 1H-Cyclopropa[l]phenanthren... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.90	14.44 ng	416561	Phenanthrene-d10	11.37

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





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Acq On : 8 Jan 2020 21:41
Operator : JU
Sample : L1013-01 2X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PL-01-010720

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF010820.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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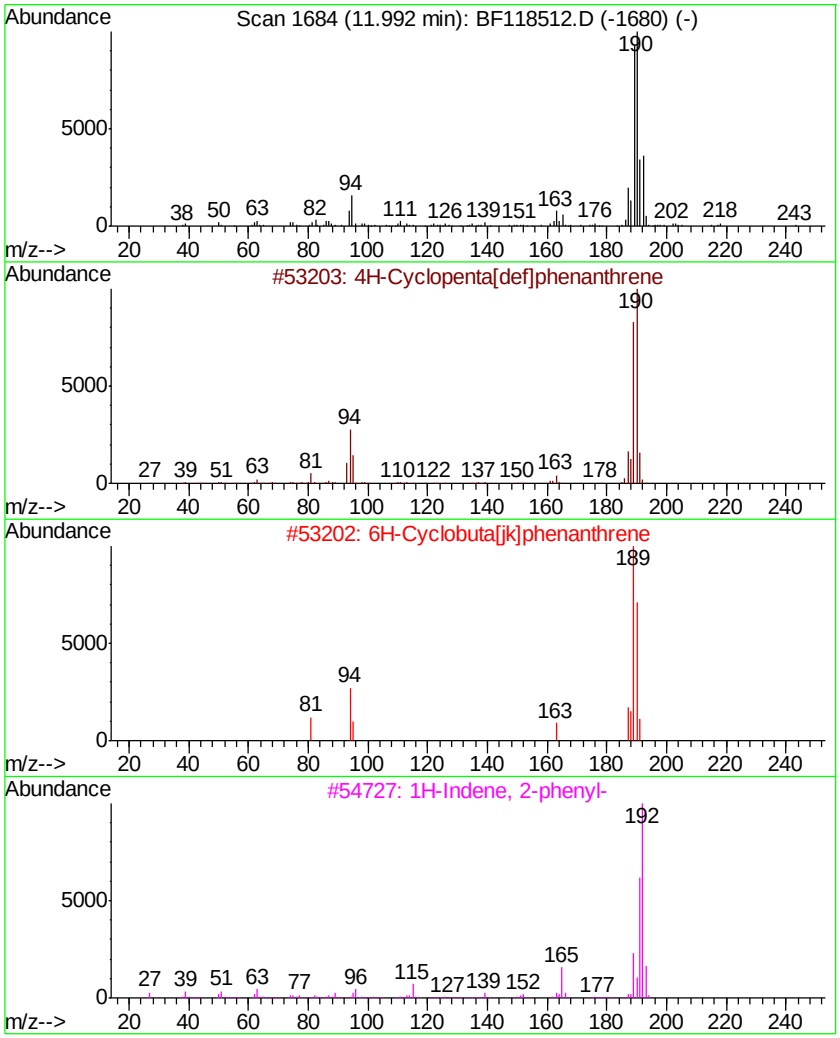
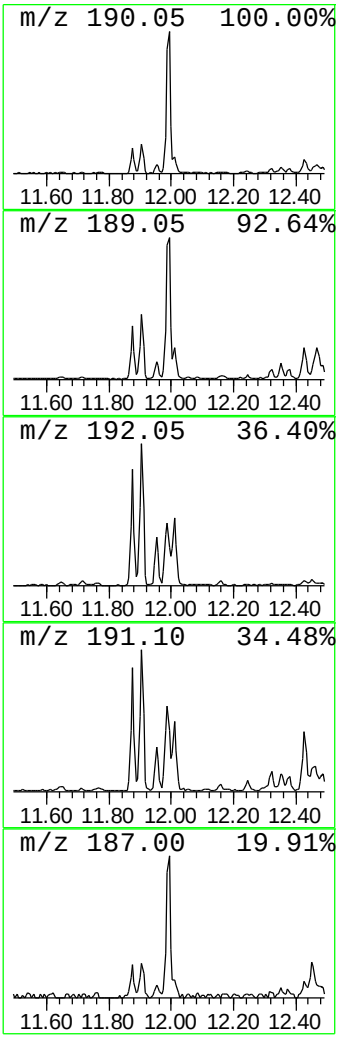
Peak Number 10 4H-Cyclopenta[def]phenanthrene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.99	13.14 ng	379070	Phenanthrene-d10	11.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	70
2	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	58
3	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	38
4	8,9-Dihydrocyclopenta[def]phenan...	192	C15H12	027410-55-5	38
5	Naphtho[1,2-b]norbornadiene	192	C15H12	1000210-14-8	35





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Data File : BF118512.D
Acq On : 8 Jan 2020 21:41
Operator : JU
Sample : L1013-01 2X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PL-01-010720

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF010820.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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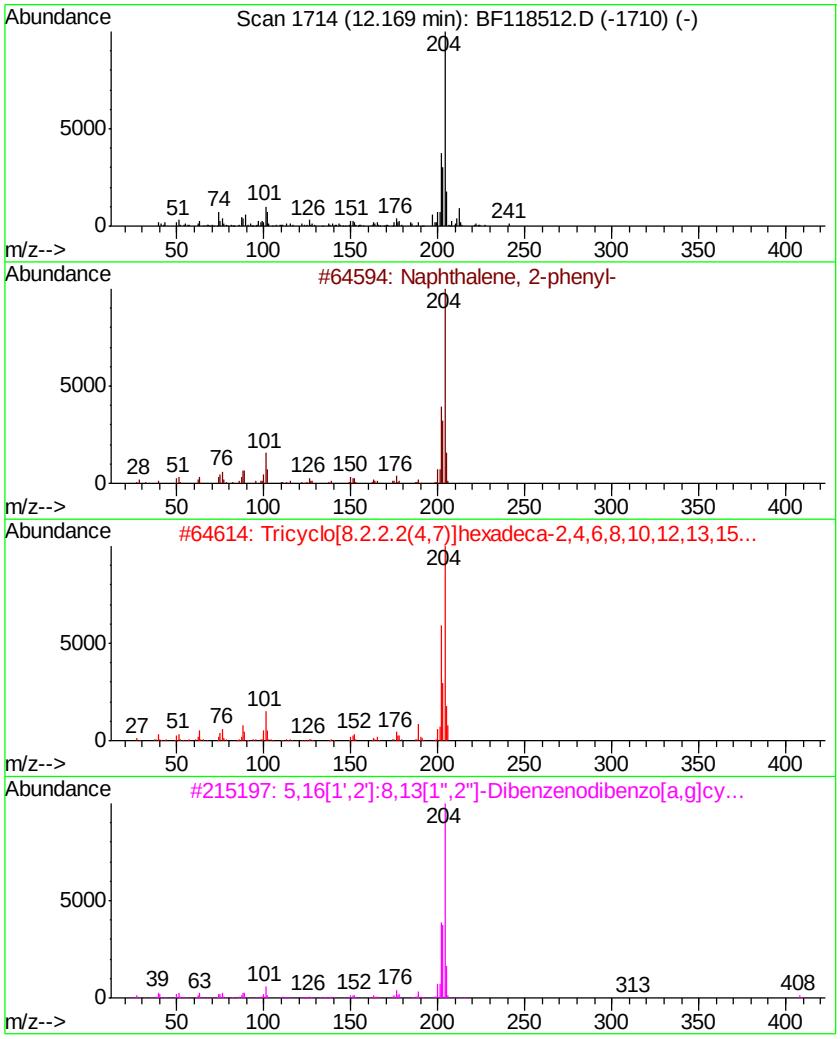
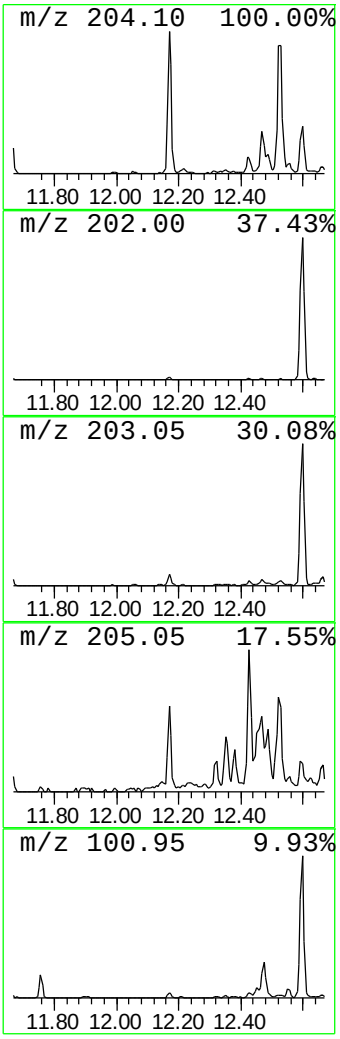
Peak Number 11 Naphthalene, 2-phenyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.17	5.43 ng	156563	Phenanthrene-d10	11.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	86
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	[1,1'-Biphenyl]-2-ol, 5-chloro-	204	C12H9ClO	000607-12-5	52
5	[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	50





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF010820\
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Acq On : 8 Jan 2020 21:41
Operator : JU
Sample : L1013-01 2X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PL-01-010720

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF010820.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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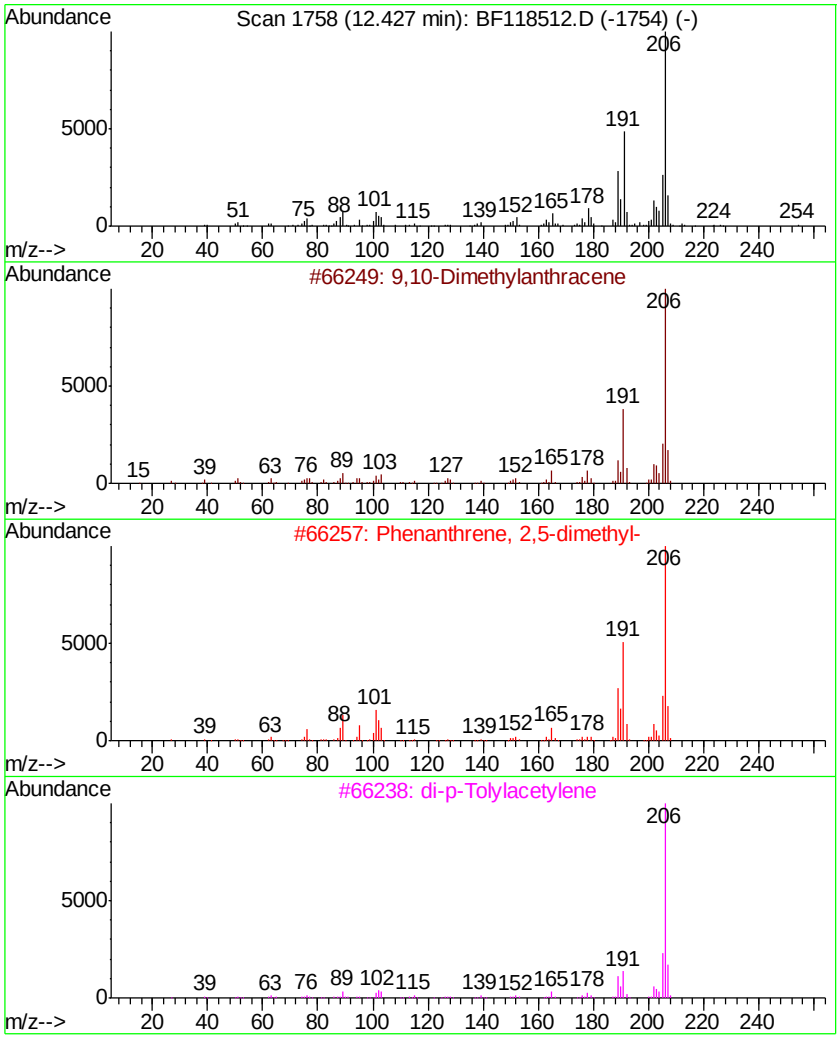
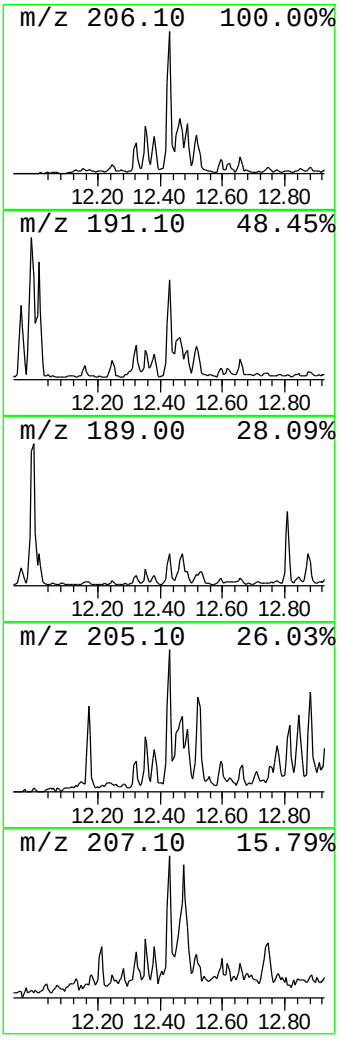
Peak Number 12 9,10-Dimethylanthracene Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.43	7.03 ng	202698	Phenanthrene-d10	11.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Dimethylanthracene	206	C16H14	000781-43-1	96
2	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	96
3	di-p-Tolylacetylene	206	C16H14	002789-88-0	93
4	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	93
5	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	87





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Data File : BF118512.D
Acq On : 8 Jan 2020 21:41
Operator : JU
Sample : L1013-01 2X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PL-01-010720

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF010820.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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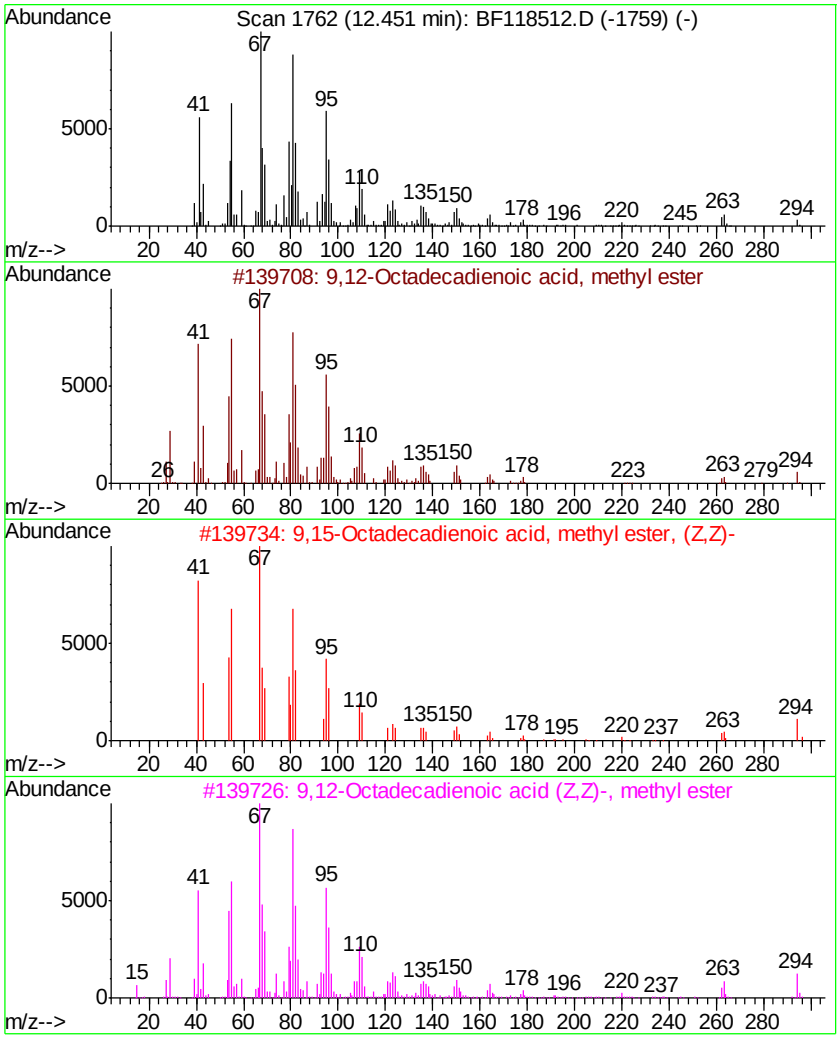
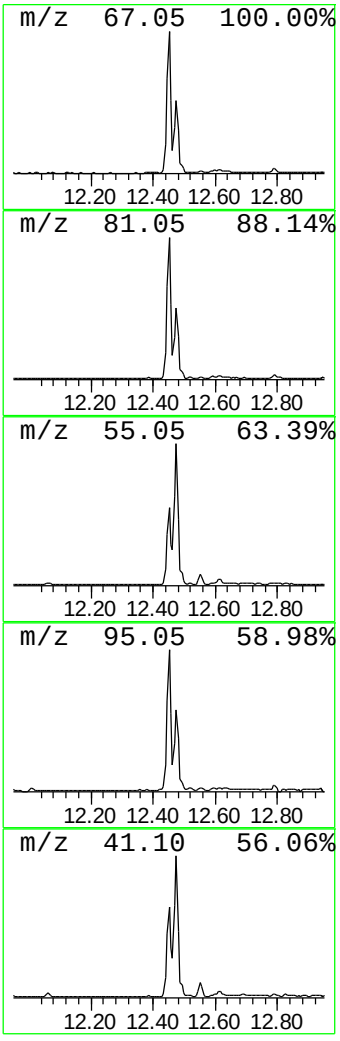
Peak Number 13 9,12-Octadecadienoic acid, ... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.45	121.28 ng	3499030	Phenanthrene-d10	11.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,12-Octadecadienoic acid, methy...	294	C19H34O2	002462-85-3	99
2	9,15-Octadecadienoic acid, methy...	294	C19H34O2	017309-05-6	99
3	9,12-Octadecadienoic acid (Z,Z)-...	294	C19H34O2	000112-63-0	99
4	Methyl 10-trans,12-cis-octadecad...	294	C19H34O2	1000336-44-2	98
5	9,12-Octadecadienoic acid, methy...	294	C19H34O2	002566-97-4	98





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Operator : JU
Sample : L1013-01 2X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PL-01-010720

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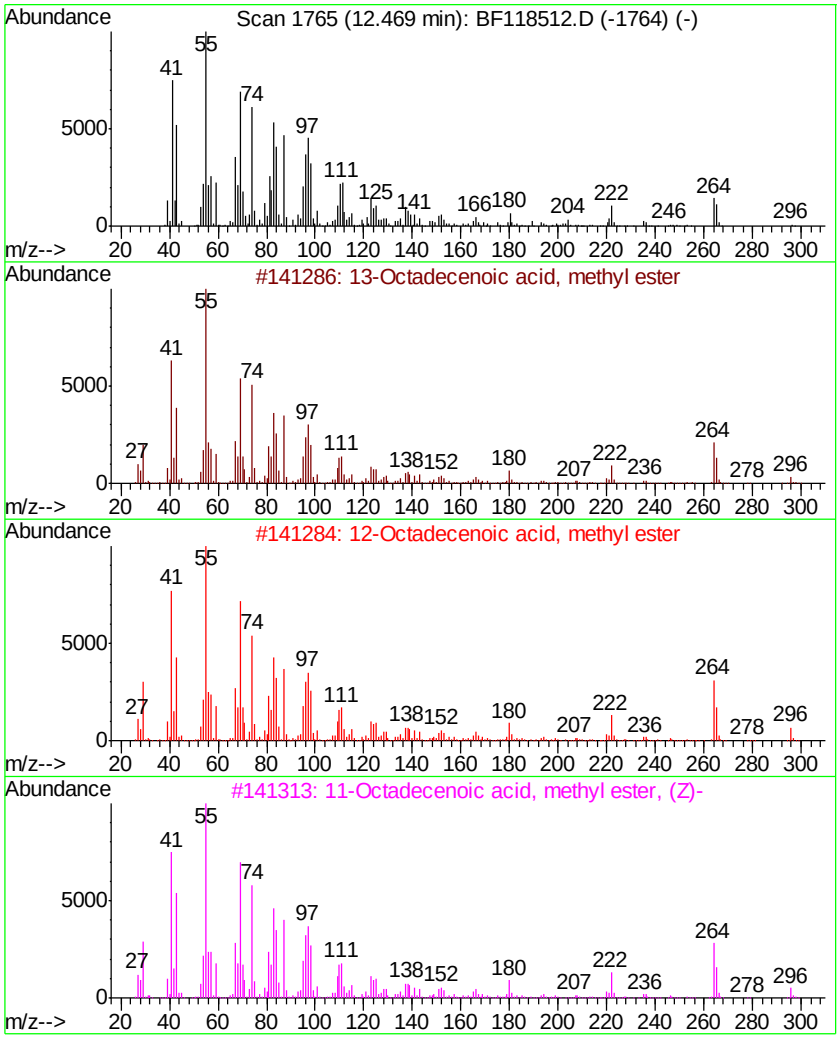
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

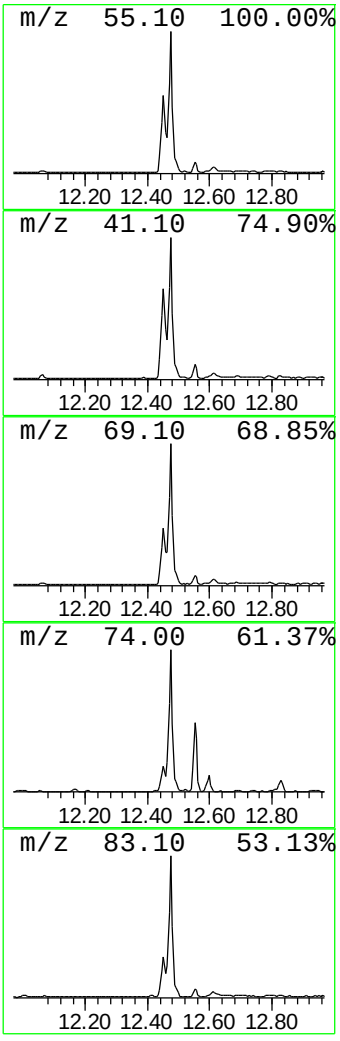
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 14 13-Octadecenoic acid, methy... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.47	148.54 ng	4285460	Phenanthrene-d10	11.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	13-Octadecenoic acid, methyl ester	296	C19H36O2	056554-47-3	99
2	12-Octadecenoic acid, methyl ester	296	C19H36O2	056554-46-2	99
3	11-Octadecenoic acid, methyl est...	296	C19H36O2	001937-63-9	99
4	14-Octadecenoic acid, methyl ester	296	C19H36O2	056554-48-4	99
5	16-Octadecenoic acid, methyl ester	296	C19H36O2	056554-49-5	99





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Operator : JU
Sample : L1013-01 2X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PL-01-010720

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF010820.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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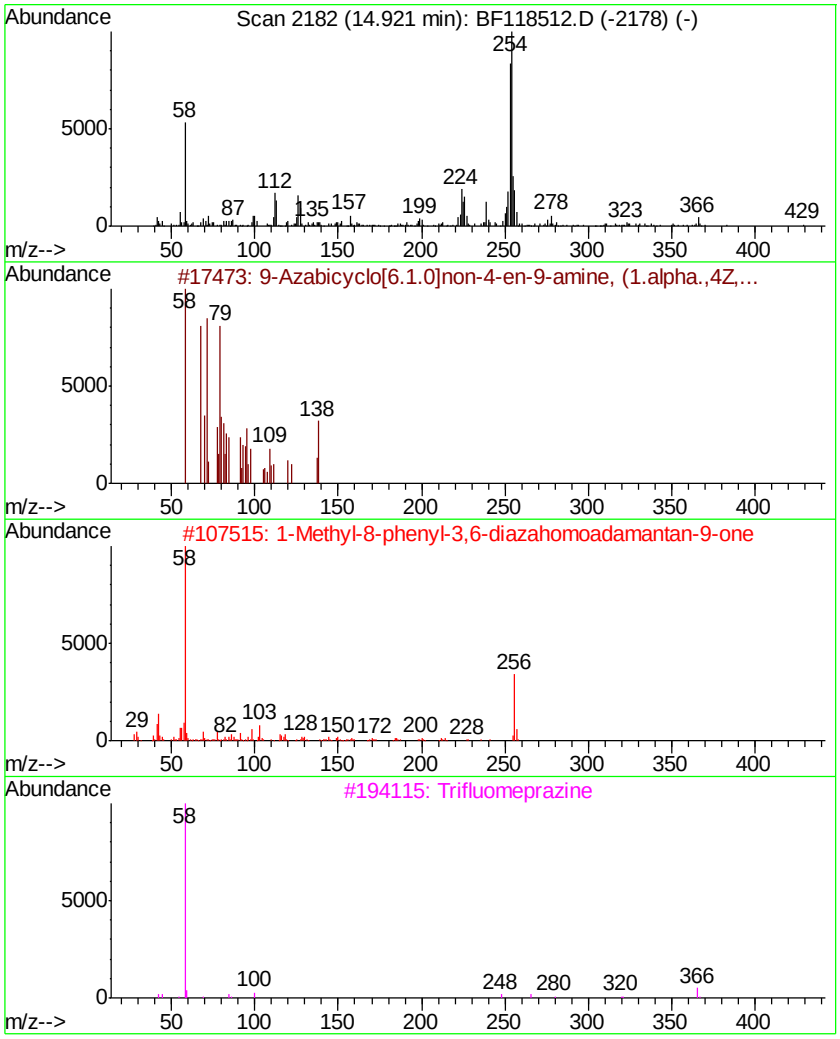
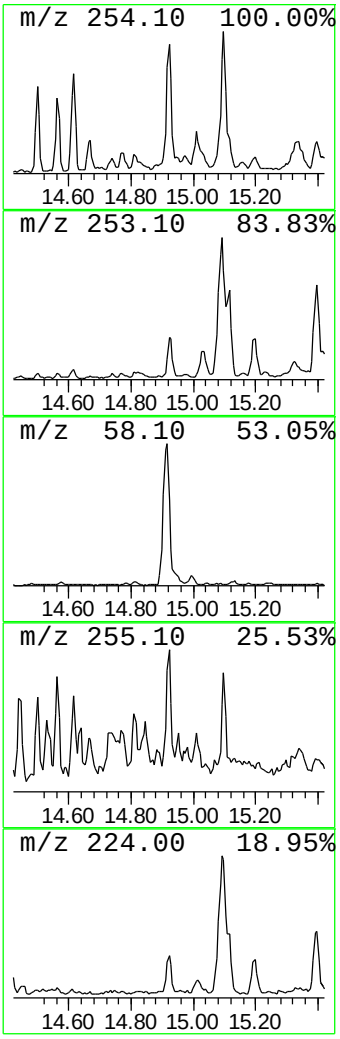
Peak Number 16 unknown14.92 Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.92	12.48 ng	369768	Perylene-d12	15.52

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9-Azabicyclo[6.1.0]non-4-en-9-am...	138	C8H14N2	066387-78-8	42
2	1-Methyl-8-phenyl-3,6-diazahomoa...	256	C16H20N2O	130913-44-9	35
3	Trifluomeprazine	366	C19H21F3N2S	002622-37-9	35
4	Benzedrex	155	C10H21N	000101-40-6	30
5	Carbonic acid, butyl 2-dimethyla...	189	C9H19NO3	1000331-41-4	30





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Sample : L1013-01 2X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PL-01-010720

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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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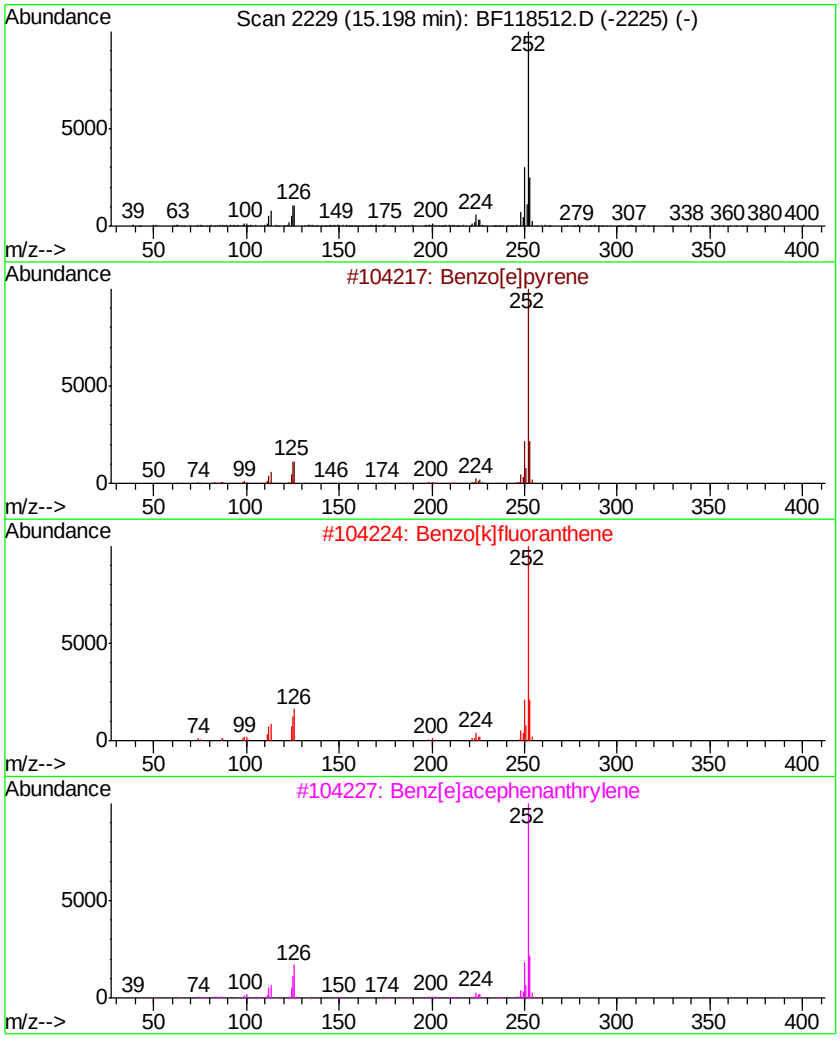
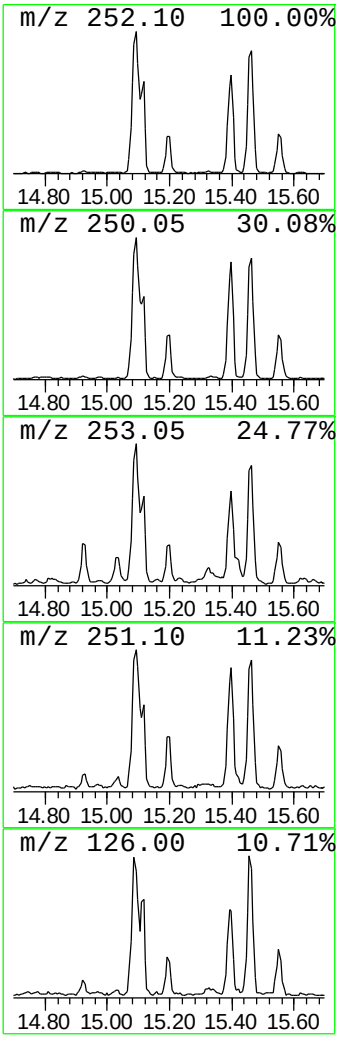
Peak Number 17 Benzo[e]pyrene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.20	12.35 ng	366036	Perylene-d12	15.52

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	97
2	Benzo[k]fluoranthene	252	C20H12	000207-08-9	96
3	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	93
4	Perylene	252	C20H12	000198-55-0	90
5	Benzo[a]pyrene	252	C20H12	000050-32-8	90





Library Search Compound Report

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Operator : JU
Sample : L1013-01 2X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PL-01-010720

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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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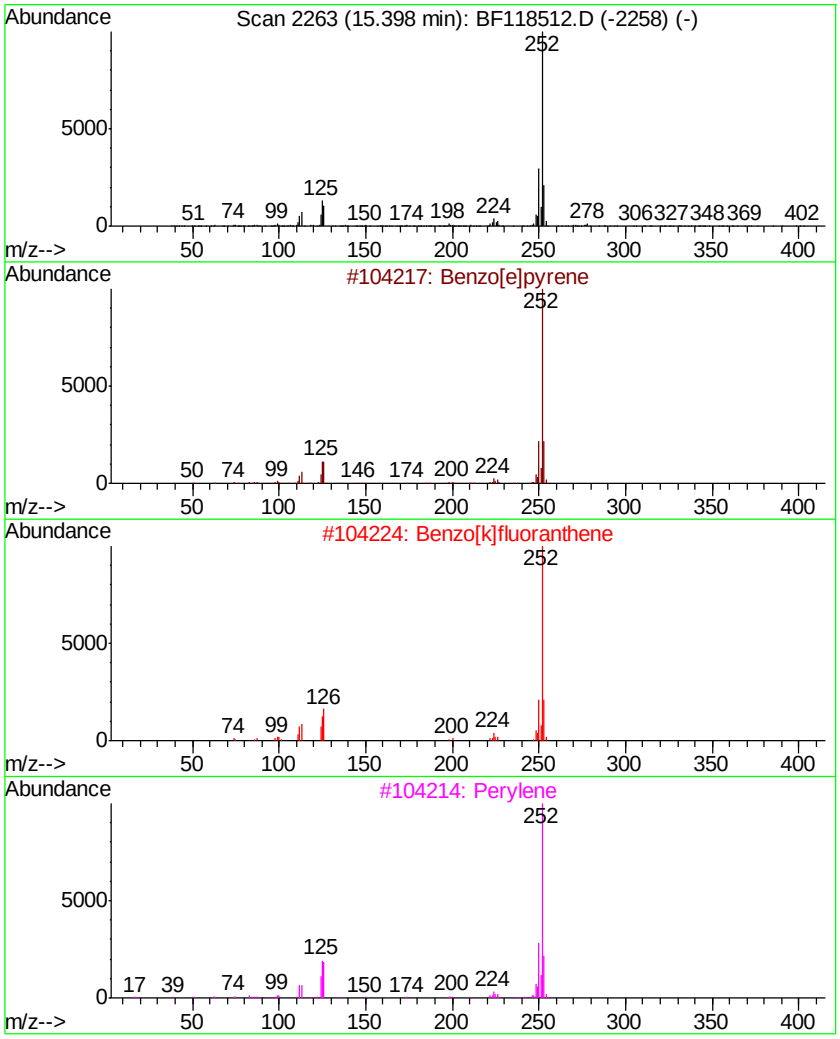
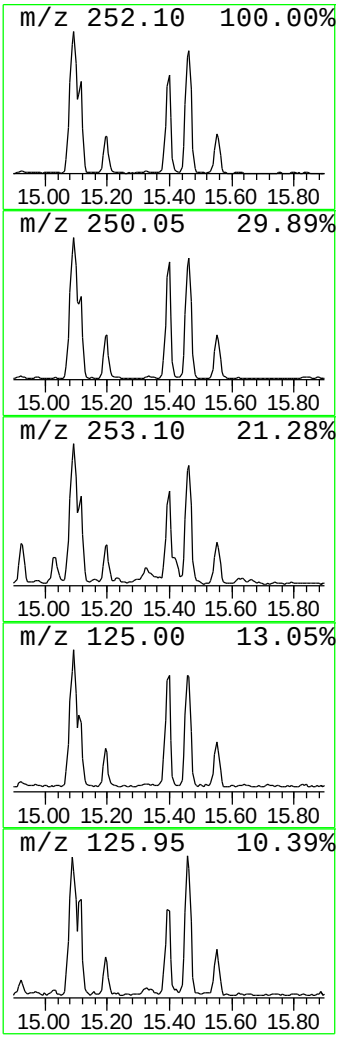
Peak Number 18 Perylene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.40	32.85 ng	973375	Perylene-d12	15.52

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	99
2	Benzo[k]fluoranthene	252	C20H12	000207-08-9	97
3	Perylene	252	C20H12	000198-55-0	97
4	Benzo[a]pyrene	252	C20H12	000050-32-8	95
5	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	94





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Operator : JU
Sample : L1013-01 2X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PL-01-010720

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF010820.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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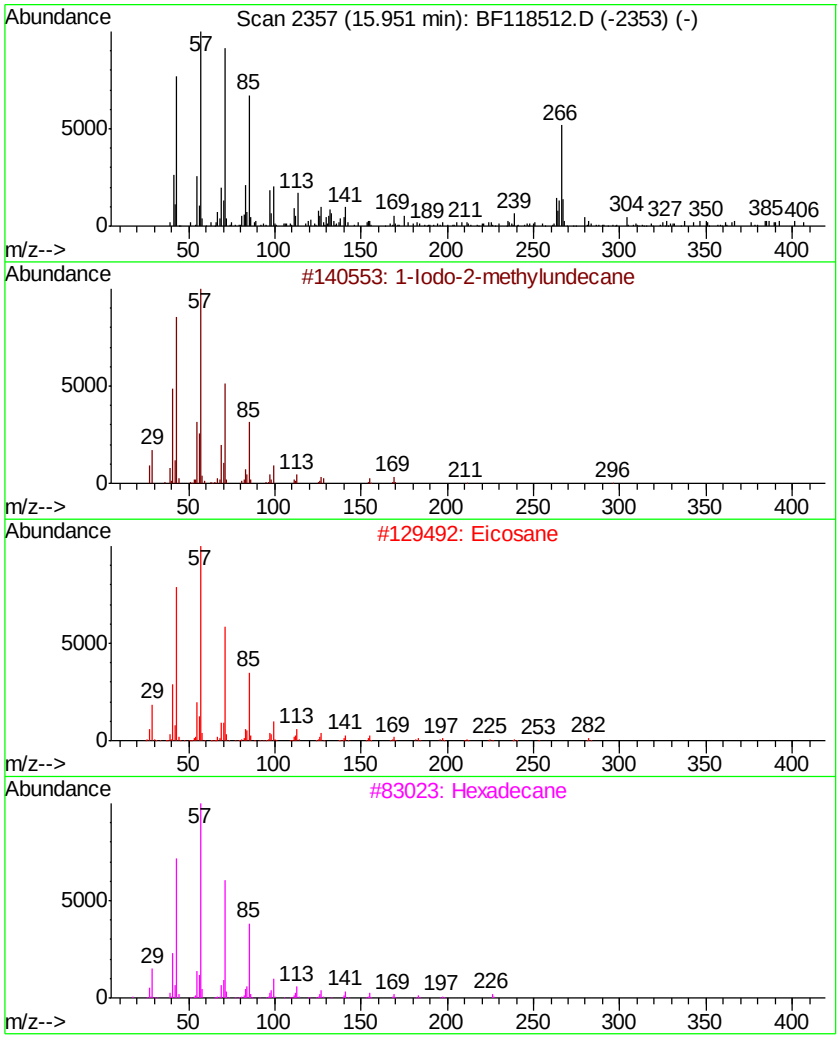
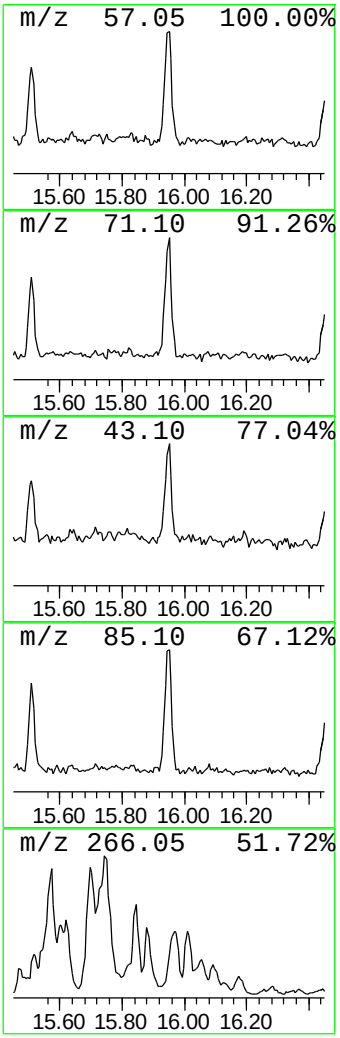
Peak Number 19 1-Iodo-2-methylundecane Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.95	7.32 ng	216898	Perylene-d12	15.52

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Iodo-2-methylundecane	296	C12H25I	073105-67-6	83
2	Eicosane	282	C20H42	000112-95-8	64
3	Hexadecane	226	C16H34	000544-76-3	64
4	Heptadecane, 9-octyl-	352	C25H52	007225-64-1	64
5	Eicosane, 3-methyl-	296	C21H44	006418-46-8	62





Library Search Compound Report

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Data File : BF118512.D
Acq On : 8 Jan 2020 21:41
Operator : JU
Sample : L1013-01 2X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PL-01-010720

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF010820.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

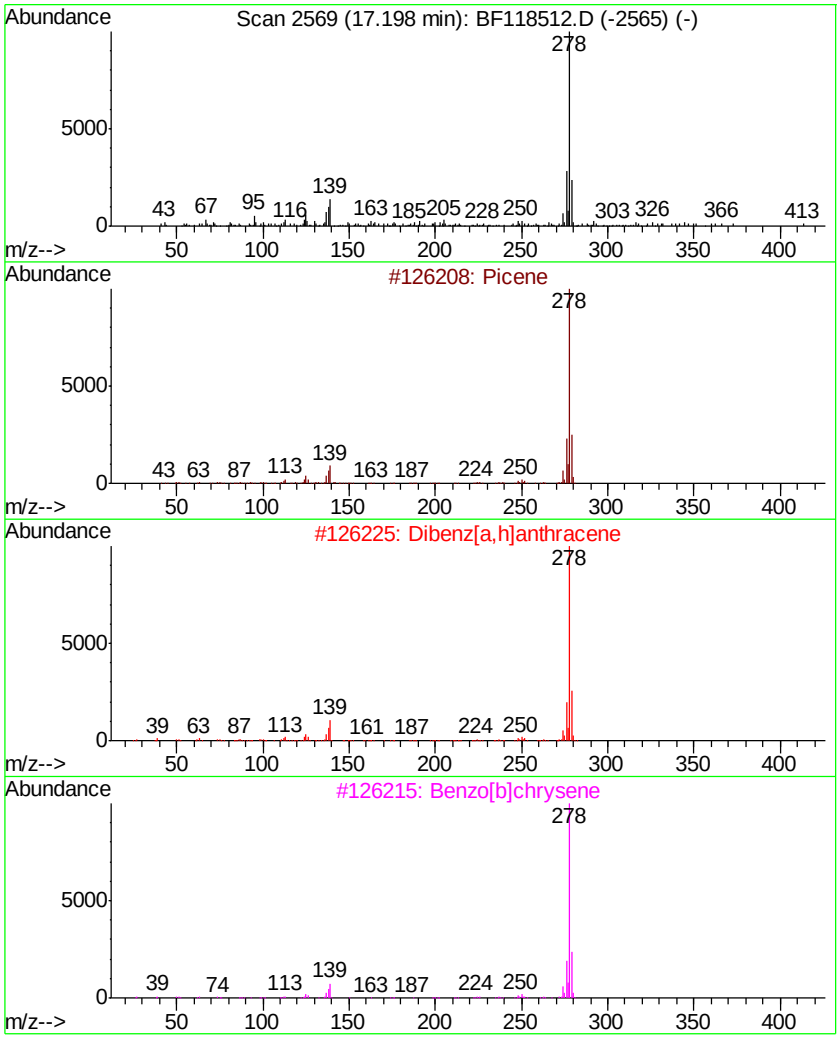
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

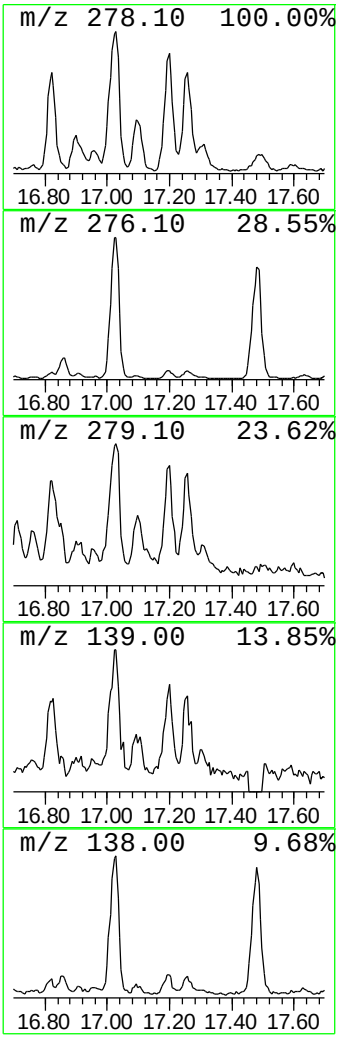
****

Peak Number 20 Picene Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.20	7.20 ng	213271	Perylene-d12	15.52

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Picene	278	C22H14	000213-46-7	96
2	Dibenz[a,h]anthracene	278	C22H14	000053-70-3	96
3	Benzo[b]chrysene	278	C22H14	000214-17-5	93
4	Naphtho[1,2-a]anthracene	278	C22H14	000195-06-2	92
5	Benzo[b]triphenylene	278	C22H14	000215-58-7	92





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF010820\
Data File : BF118512.D
Acq On : 8 Jan 2020 21:41
Operator : JU
Sample : L1013-01 2X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PL-01-010720

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF010820.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
unknown6.60	6.60	26.7	ng	438001	1	6.83	327868	20.0
Heptadecane	10.77	8.0	ng	230344	4	11.37	577013	20.0
Tridecanoic acid,...	10.88	8.0	ng	230248	4	11.37	577013	20.0
Azuleno(2,1-b)thi...	11.26	6.4	ng	184649	4	11.37	577013	20.0
Hexadecanoic acid...	11.76	40.7	ng	1174500	4	11.37	577013	20.0
Phenanthrene, 2-m...	11.87	8.3	ng	240128	4	11.37	577013	20.0
1H-Cyclopropa[l]p...	11.90	14.4	ng	416561	4	11.37	577013	20.0
4H-Cyclopenta[def...	11.99	13.1	ng	379070	4	11.37	577013	20.0
Naphthalene, 2-ph...	12.17	5.4	ng	156563	4	11.37	577013	20.0
9,10-Dimethylanth...	12.43	7.0	ng	202698	4	11.37	577013	20.0
9,12-Octadecadien...	12.45	121.3	ng	3499030	4	11.37	577013	20.0
13-Octadecenoic a...	12.47	148.5	ng	4285460	4	11.37	577013	20.0
unknown14.92	14.92	12.5	ng	369768	6	15.52	592658	20.0
Benzo[e]pyrene	15.20	12.4	ng	366036	6	15.52	592658	20.0
Perylene	15.40	32.9	ng	973375	6	15.52	592658	20.0
1-Iodo-2-methylun...	15.95	7.3	ng	216898	6	15.52	592658	20.0
Picene	17.20	7.2	ng	213271	6	15.52	592658	20.0