LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF120319\
Data File : BF118074.D
Acq On : 3 Dec 2019 20:48
Operator : JU
Sample : K6024-05
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B-5-(0.5-1.0)

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-BF111319.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.146	4	10	21	rVB	677779	875494	9.52%	0.557%
2	2.516	62	73	81	rVB	273036	406363	4.42%	0.258%
3	5.087	505	510	517	rVB	449111	522476	5.68%	0.332%
4	5.492	575	579	591	rBV	2712458	2607441	28.35%	1.658%
5	6.504	746	751	762	rVB	2700047	2792052	30.36%	1.775%
6	6.645	771	775	778	rBV	3345626	2940902	31.98%	1.870%
7	6.875	811	814	821	rVB	1039606	805231	8.76%	0.512%
8	7.034	837	841	844	rBV	2756229	2235399	24.31%	1.421%
9	7.439	905	910	913	rBV	1982658	1740185	18.92%	1.106%
10	8.163	1026	1033	1035	rBV	1261464	1073578	11.67%	0.683%
11	9.239	1212	1216	1219	rBV	3498977	2988428	32.49%	1.900%
12	9.633	1280	1283	1288	rVB	552748	435440	4.73%	0.277%
13	9.786	1305	1309	1313	rBV	309378	274478	2.98%	0.174%
14	9.927	1326	1333	1335	rBV	1299359	1232264	13.40%	0.783%
15	9.957	1335	1338	1341	rVB	336709	269991	2.94%	0.172%
16	10.127	1361	1367	1371	rBV2	293590	282878	3.08%	0.180%
17	10.327	1397	1401	1408	rVB	1222969	1055274	11.47%	0.671%
18	10.474	1422	1426	1431	rVB	331293	316936	3.45%	0.201%
19	10.716	1461	1467	1471	rBV	2566364	2391354	26.00%	1.520%
20	11.174	1543	1545	1550	rVV	166087	196242	2.13%	0.125%
21	11.221	1550	1553	1557	rVV	288661	262477	2.85%	0.167%
22	11.263	1557	1560	1565	rVV2	154993	264577	2.88%	0.168%
23	11.316	1566	1569	1574	rVB	240043	243955	2.65%	0.155%
24	11.421	1583	1587	1589	rBV	1248908	1368196	14.88%	0.870%
25	11.445	1589	1591	1594	rVV	3862732	3422986	37.22%	2.176%
26	11.492	1594	1599	1602	rVV	1031069	935961	10.18%	0.595%
27	11.645	1620	1625	1628	rBV2	376543	412396	4.48%	0.262%
28	11.921	1666	1672	1674	rBV	724320	694296	7.55%	0.441%
29	11.951	1674	1677	1680	rVV	1160548	1201976	13.07%	0.764%
30	11.998	1682	1685	1688	rVV	444907	412876	4.49%	0.262%
31	12.033	1688	1691	1694	rVV2	1022908	1206631	13.12%	0.767%
32	12.057	1694	1695	1699	rVB	531405	325394	3.54%	0.207%
33	12.216	1719	1722	1724	rBV	423280	346744	3.77%	0.220%
34	12.245	1724	1727	1730	rVB	367272	325881	3.54%	0.207%

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Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B-5-(0.5-1.0)

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
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Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF111319.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	12.474	1762	1766	1769	rBV	468472	523692	5.69%	0.333%
36	12.516	1769	1773	1775	rVV2	246084	343521	3.74%	0.218%
37	12.563	1778	1781	1786	rVB	450063	469882	5.11%	0.299%
38	12.651	1790	1796	1799	rBV	5831656	6273810	68.22%	3.989%
39	12.733	1807	1810	1813	rVB2	391959	346370	3.77%	0.220%
40	12.792	1813	1820	1823	rBV3	258338	425878	4.63%	0.271%
41	12.880	1828	1835	1838	rBV2	5331459	6674827	72.58%	4.244%
42	12.915	1838	1841	1846	rVB2	372647	430146	4.68%	0.273%
43	12.986	1850	1853	1854	rBV	455815	379216	4.12%	0.241%
44	13.010	1854	1857	1860	rBV	2614166	2031208	22.09%	1.291%
45	13.086	1864	1870	1874	rBV2	561654	948436	10.31%	0.603%
46	13.139	1877	1879	1882	rBV	260130	247329	2.69%	0.157%
47	13.168	1882	1884	1886	rBV3	341110	366488	3.98%	0.233%
48	13.198	1886	1889	1891	rVB	868381	688286	7.48%	0.438%
49	13.239	1894	1896	1898	rBV	347636	277798	3.02%	0.177%
50	13.268	1898	1901	1903	rBV	454954	412183	4.48%	0.262%
51	13.304	1903	1907	1909	rVB3	858342	1164335	12.66%	0.740%
52	13.351	1913	1915	1917	rBV	653686	654123	7.11%	0.416%
53	13.368	1917	1918	1920	rVB	311706	182758	1.99%	0.116%
54	13.398	1920	1923	1926	rVB2	1278189	1282190	13.94%	0.815%
55	13.451	1929	1932	1934	rBV	1399707	1195151	13.00%	0.760%
56	13.474	1934	1936	1939	rBV	1444372	1398633	15.21%	0.889%
57	13.521	1939	1944	1946	rBV	3341392	3672827	39.94%	2.335%
58	13.551	1946	1949	1952	rVB	4203911	4316166	46.93%	2.744%
59	13.580	1952	1954	1957	rBV2	1707913	2094218	22.77%	1.331%
60	13.627	1957	1962	1964	rVB2	1825591	2856093	31.06%	1.816%
61	13.657	1964	1967	1969	rBV	1753551	2317112	25.19%	1.473%
62	13.674	1969	1970	1972	rBV	1140916	845880	9.20%	0.538%
63	13.710	1972	1976	1979	rVB2	3549031	4642893	50.48%	2.952%
64	13.751	1979	1983	1985	rBV	5445240	6409309	69.69%	4.075%
65	13.786	1985	1989	1991	rVV	7249223	8564140	93.12%	5.445%
66	13.815	1991	1994	1997	rVB	6564214	9196883	100.00%	5.847%
67	13.851	1997	2000	2003	rVB	5238410	4458011	48.47%	2.834%
68	13.886	2003	2006	2008	rBV3	1366158	1580087	17.18%	1.005%
69	13.915	2008	2011	2013	rBV	5240998	5217770	56.73%	3.317%
70	13.945	2013	2016	2018	rVB	6312003	6238685	67.83%	3.966%
71	13.974	2018	2021	2024	rVB	2469483	2020464	21.97%	1.285%

LSC Area Percent Report

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Instrument : BNA_F
ClientSampleId : B-5-(0.5-1.0)

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
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Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	14.004	2024	2026	2029	rBV2	271338	204509	2.22%	0.130%
73	14.062	2030	2036	2037	rBV2	2945091	4004926	43.55%	2.546%
74	14.115	2043	2045	2053	rVB	3104521	2639786	28.70%	1.678%
75	14.192	2055	2058	2060	rBV	457467	404368	4.40%	0.257%
76	14.233	2060	2065	2069	rVV4	291091	628791	6.84%	0.400%
77	14.274	2070	2072	2074	rVV	253359	194225	2.11%	0.123%
78	14.310	2074	2078	2081	rVV2	278486	381810	4.15%	0.243%
79	14.468	2101	2105	2108	rVB	611217	621730	6.76%	0.395%
80	14.498	2108	2110	2114	rVV	342991	315871	3.43%	0.201%
81	14.539	2114	2117	2119	rVV3	209498	285737	3.11%	0.182%
82	14.592	2123	2126	2128	rVV	329493	311350	3.39%	0.198%
83	14.610	2128	2129	2133	rVB2	267529	216851	2.36%	0.138%
84	14.851	2168	2170	2174	rVV3	131086	184247	2.00%	0.117%
85	15.033	2198	2201	2206	rBV5	121263	220523	2.40%	0.140%
86	15.145	2213	2220	2222	rBV	2426011	4147876	45.10%	2.637%
87	15.192	2226	2228	2233	rVV3	211426	319100	3.47%	0.203%
88	15.245	2233	2237	2240	rVB	544190	559129	6.08%	0.355%
89	15.333	2249	2252	2260	rBV4	144183	392811	4.27%	0.250%
90	15.451	2266	2272	2278	rVB	1488881	2173410	23.63%	1.382%
91	15.521	2278	2284	2288	rVB	2216298	2899589	31.53%	1.843%
92	15.574	2289	2293	2296	rVV	823904	1167559	12.70%	0.742%
93	15.609	2296	2299	2305	rVB2	766179	1039740	11.31%	0.661%
94	16.151	2388	2391	2402	rVB2	131273	209411	2.28%	0.133%
95	17.098	2545	2552	2559	rVB2	1090683	2287489	24.87%	1.454%
96	17.168	2560	2564	2573	rVB	117731	215313	2.34%	0.137%
97	17.268	2575	2581	2586	rBV	246517	498679	5.42%	0.317%
98	17.327	2587	2591	2597	rBV2	192323	364250	3.96%	0.232%
99	17.562	2622	2631	2641	rVB	783777	1790998	19.47%	1.139%
100	17.792	2664	2670	2686	rVB2	236353	601624	6.54%	0.382%

Sum of corrected areas: 157295252

LSC Report - Integrated Chromatogram

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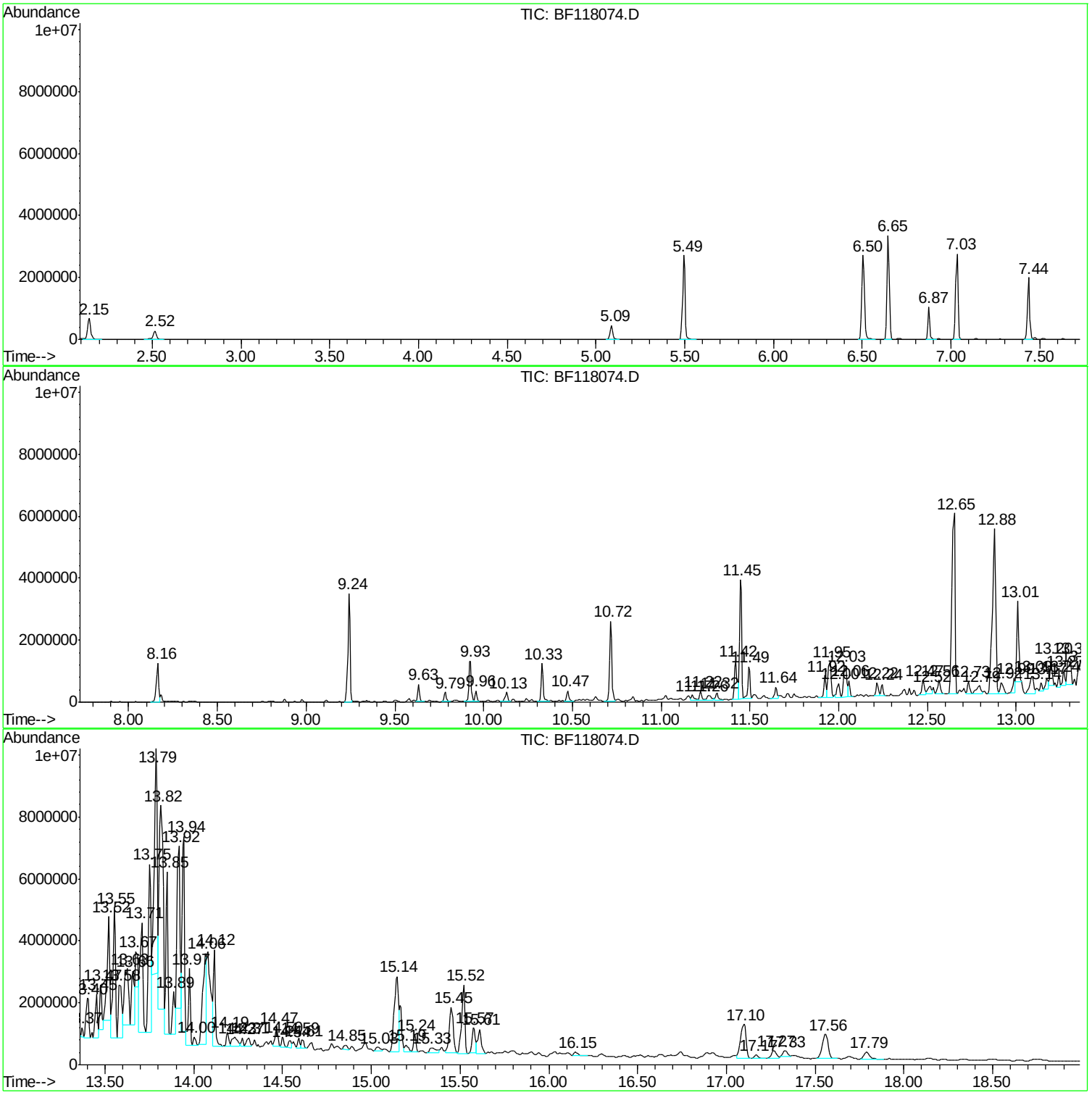
Sample : K6024-05
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B-5-(0.5-1.0)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF111319.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\BF120319\
Data File : BF118074.D
Acq On : 3 Dec 2019 20:48
Operator : JU
Sample : K6024-05
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B-5-(0.5-1.0)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF111319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

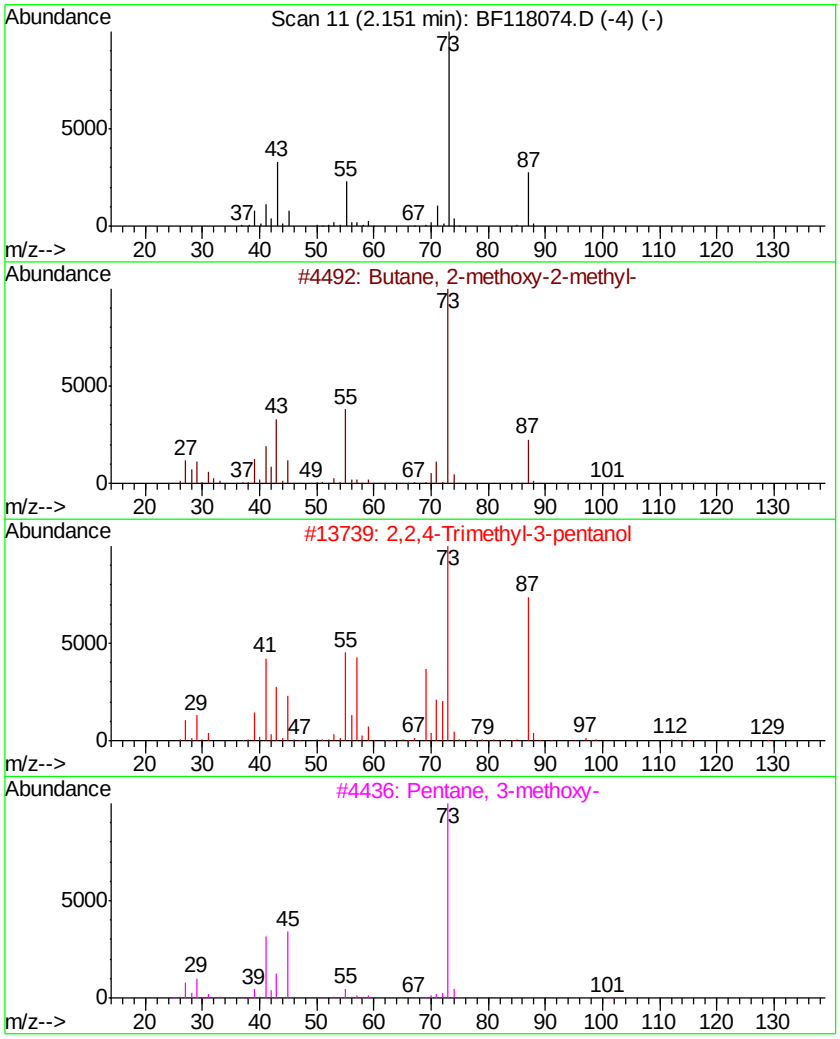
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

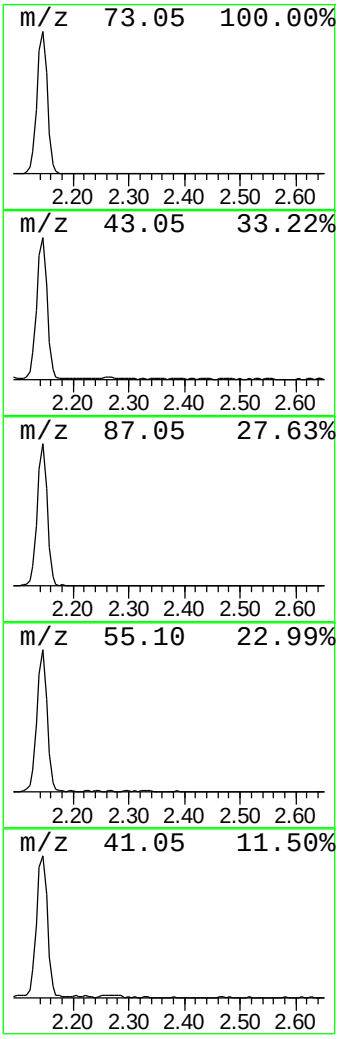
****

Peak Number 1 Butane, 2-methoxy-2-methyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.15	21.75 ng	875494	1,4-Dichlorobenzene-d4	6.87

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	Pentane, 3-methoxy-	102	C6H14O	036839-67-5	23
4	Silane, tetramethyl-	88	C4H12Si	000075-76-3	17
5	Borane, dimethoxy-	74	C2H7BO2	004542-61-4	9





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ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B-5-(0.5-1.0)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF111319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

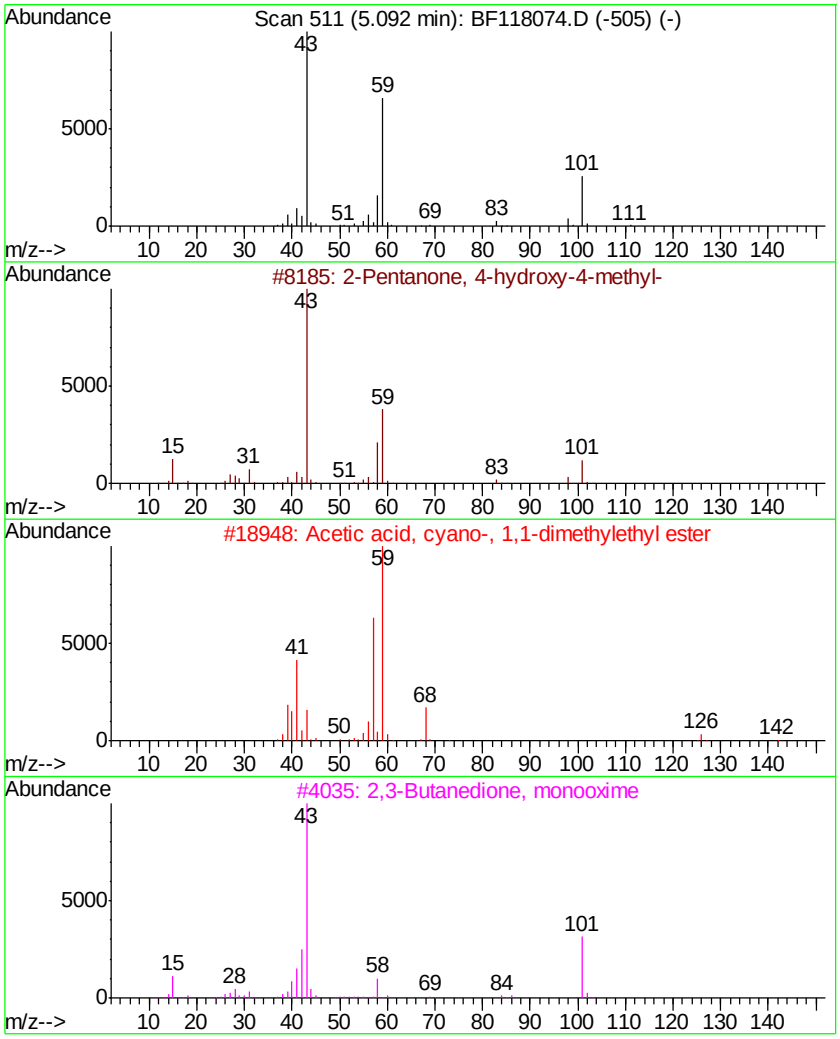
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

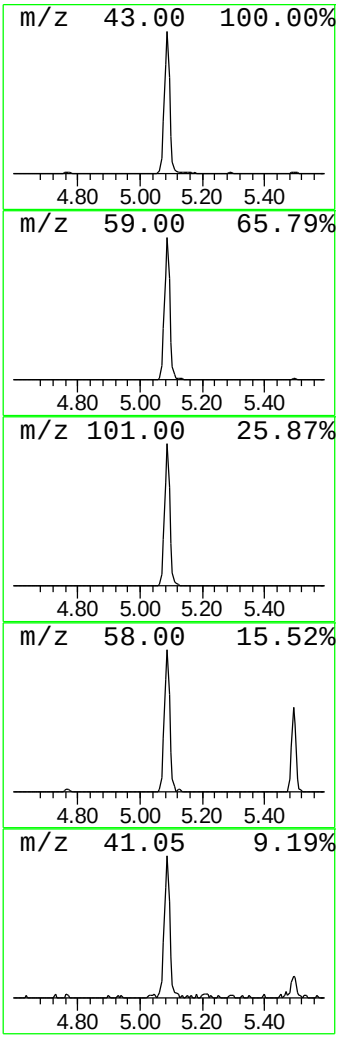
****

Peak Number 2 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.09	12.98 ng	522476	1,4-Dichlorobenzene-d4	6.87

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	50
2	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	25
3	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	9
4	Morpholine, 4-methyl-	101	C5H11NO	000109-02-4	9
5	5-Hexen-2-one	98	C6H10O	000109-49-9	9





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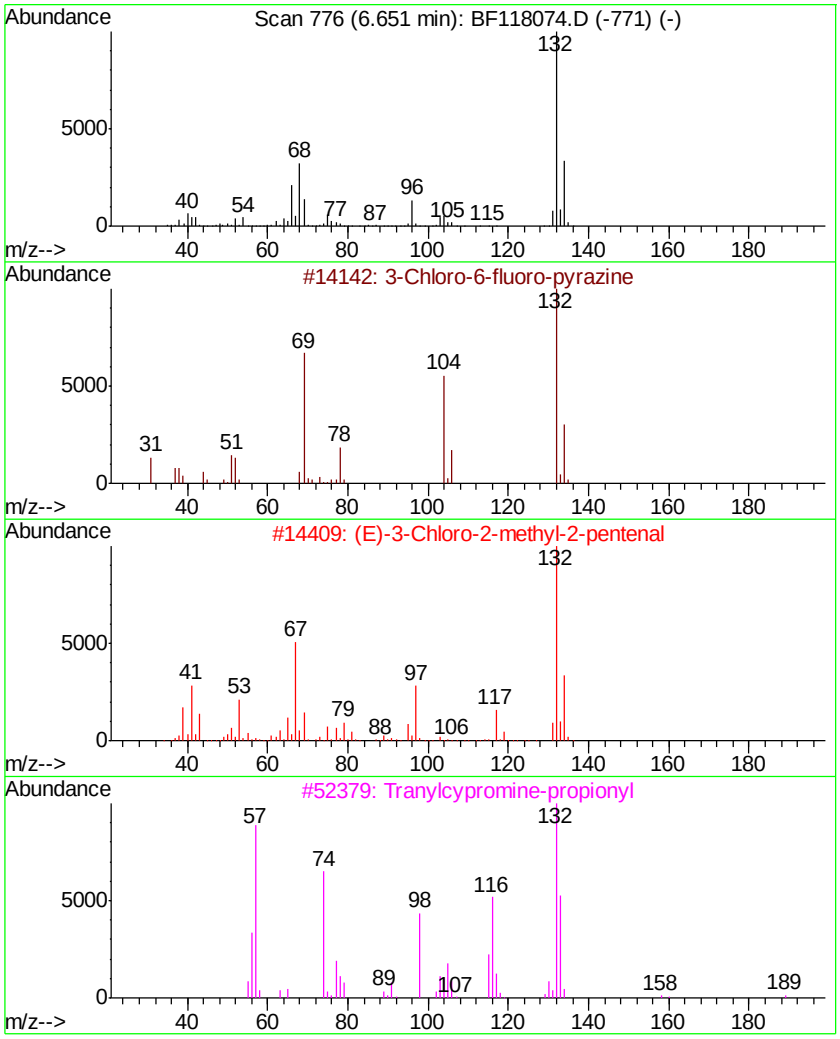
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

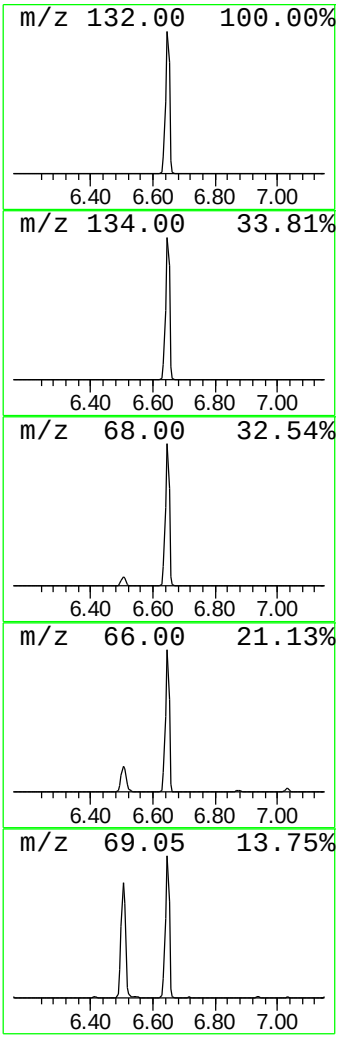
****

Peak Number 3 unknown6.65 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.65	73.04 ng	2940900	1,4-Dichlorobenzene-d4	6.87

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	35
2	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	25
3	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	16
4	5-Aminoindole	132	C8H8N2	005192-03-0	16
5	Bicyclo[4.2.0]octa-1,3,5-triene,...	132	C10H12	028749-81-7	9





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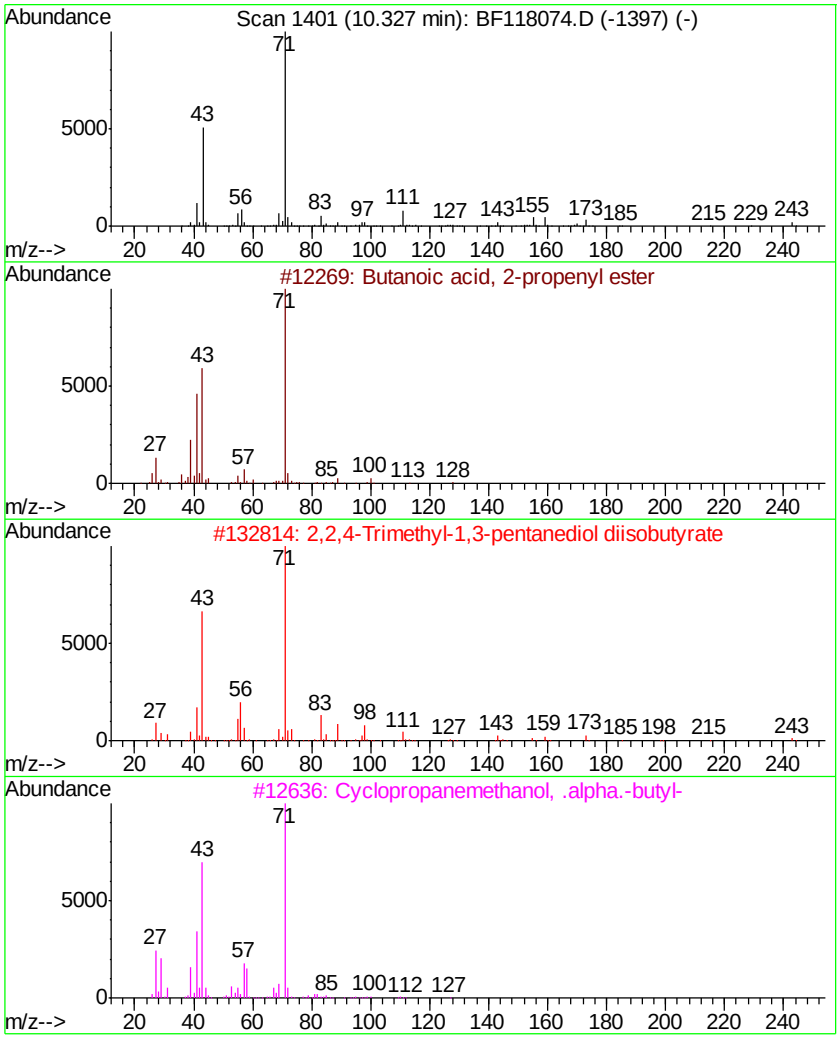
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

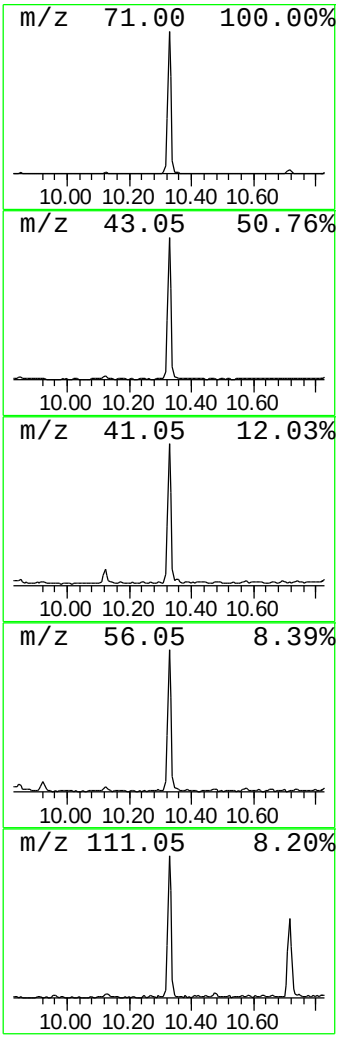
****

Peak Number 5 Butanoic acid, 2-propenyl e... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.33	17.13 ng	1055270	Acenaphthene-d10	9.93

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butanoic acid, 2-propenyl ester	128	C7H12O2	002051-78-7	59
2	2,2,4-Trimethyl-1,3-pentanediol ...	286	C16H30O4	006846-50-0	56
3	Cyclopropanemethanol, .alpha.-bu...	128	C8H16O	004379-16-2	45
4	Valeric acid, 2-tetrahydrofurylm...	186	C10H18O3	005451-86-5	45
5	Diethylmalonic acid, monochlorid...	262	C12H19ClO4	1000370-65-0	45





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF120319\
Data File : BF118074.D
Acq On : 3 Dec 2019 20:48
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Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B-5-(0.5-1.0)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF111319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

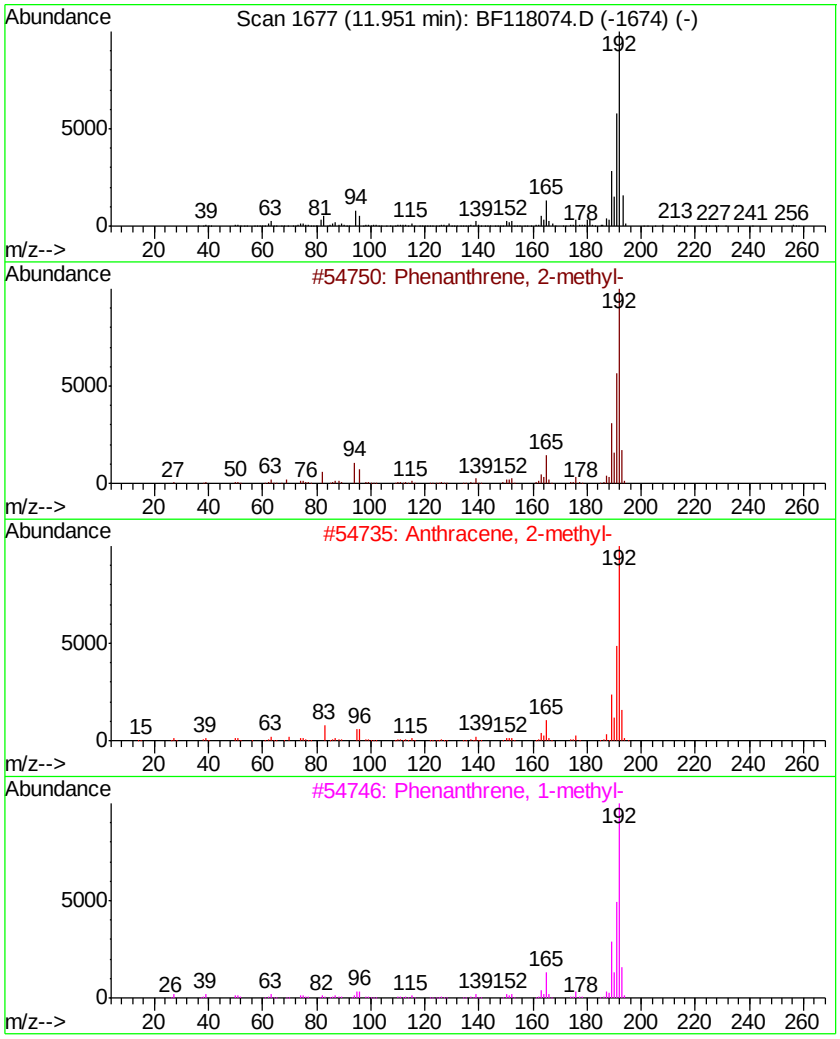
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

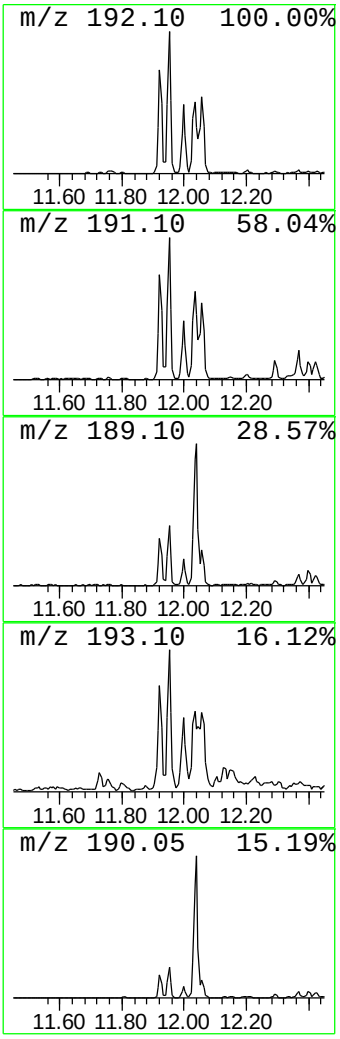
****

Peak Number 6 Phenanthrene, 2-methyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.95	17.57 ng	1201980	Phenanthrene-d10	11.42

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	98
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	95
5	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	93





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Acq On : 3 Dec 2019 20:48
Operator : JU
Sample : K6024-05
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B-5-(0.5-1.0)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF111319.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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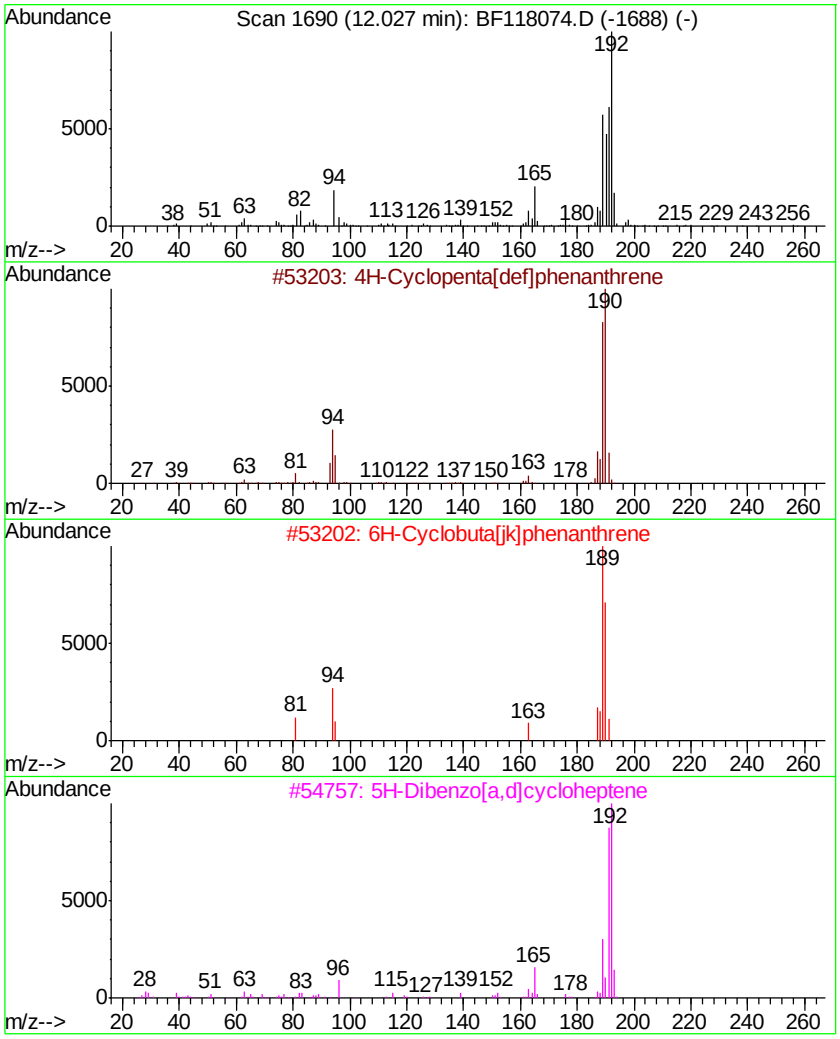
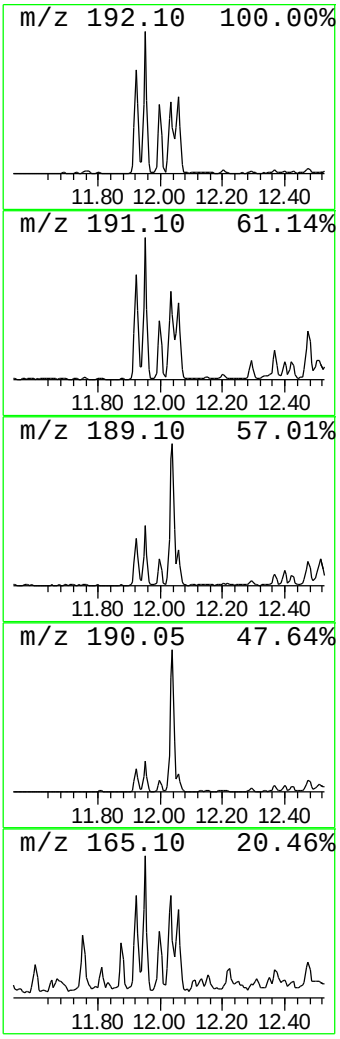
Peak Number 7 4H-Cyclopenta[def]phenanthrene Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.03	17.64 ng	1206630	Phenanthrene-d10	11.42

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	60
2	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	49
3	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	42
4	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	42
5	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	42





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Sample : K6024-05
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B-5-(0.5-1.0)

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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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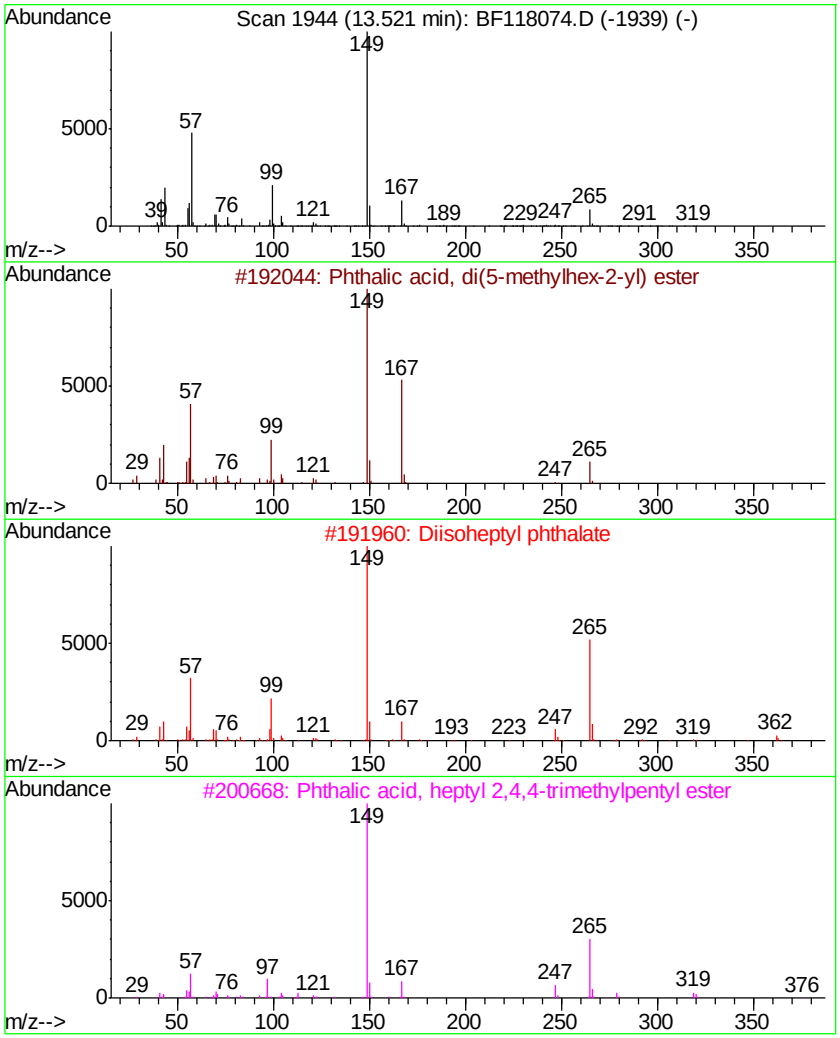
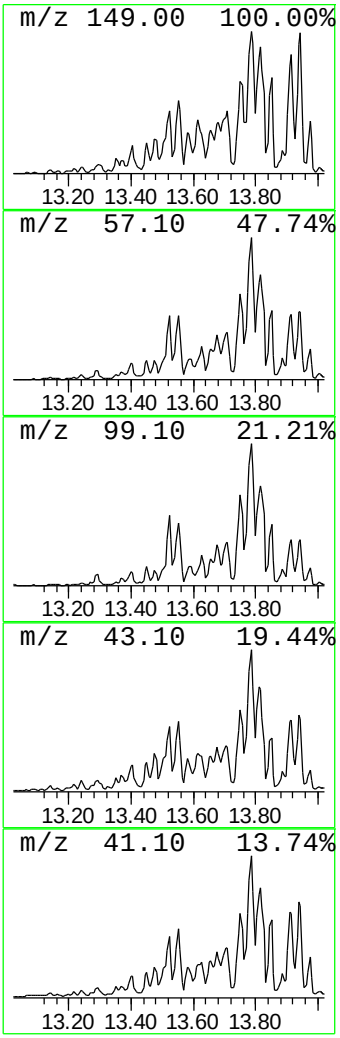
Peak Number 8 Diisoheptyl phthalate Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.52	18.34 ng	3672830	Chrysene-d12	14.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phthalic acid, di(5-methylhex-2-...	362	C22H34O4	1000371-09-4	86
2	Diisoheptyl phthalate	362	C22H34O4	041451-28-9	83
3	Phthalic acid, heptyl 2,4,4-trim...	376	C23H36O4	1000377-77-3	64
4	Phthalic acid, 5-methylhex-2-yl ...	502	C32H54O4	1000371-07-7	64
5	Phthalic acid, 1-cyclopentylethy...	360	C22H32O4	1000309-09-6	59





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Sample : K6024-05
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B-5-(0.5-1.0)

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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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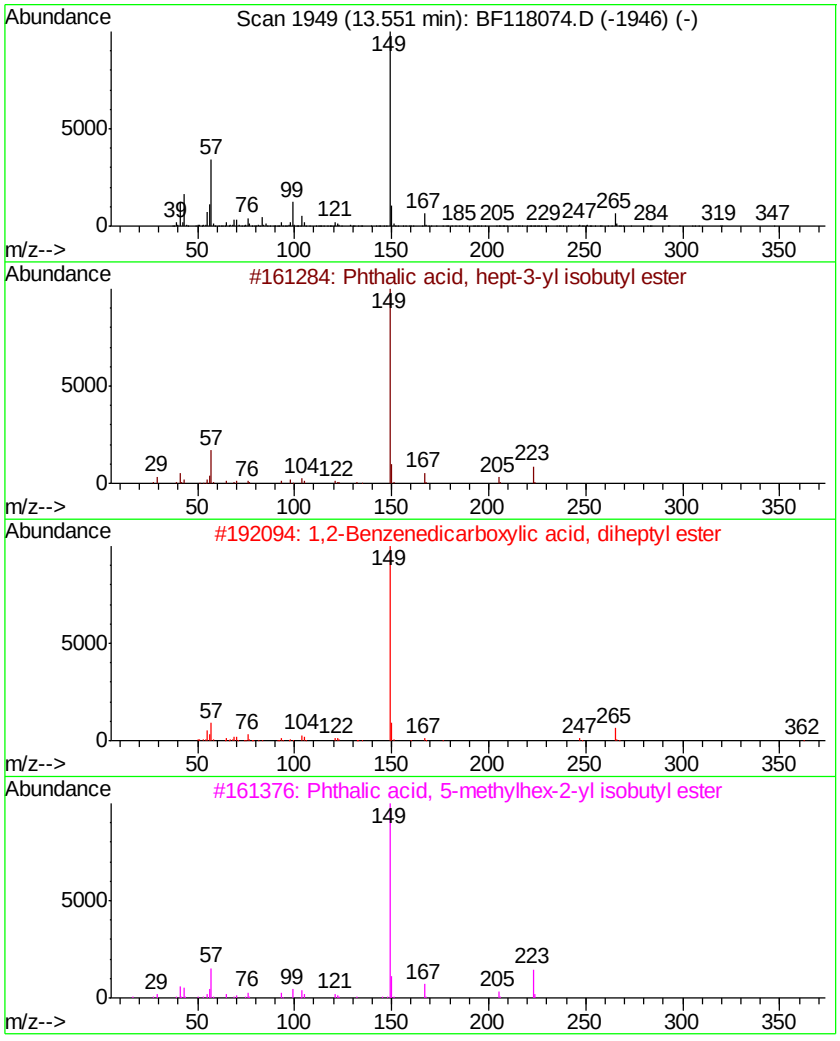
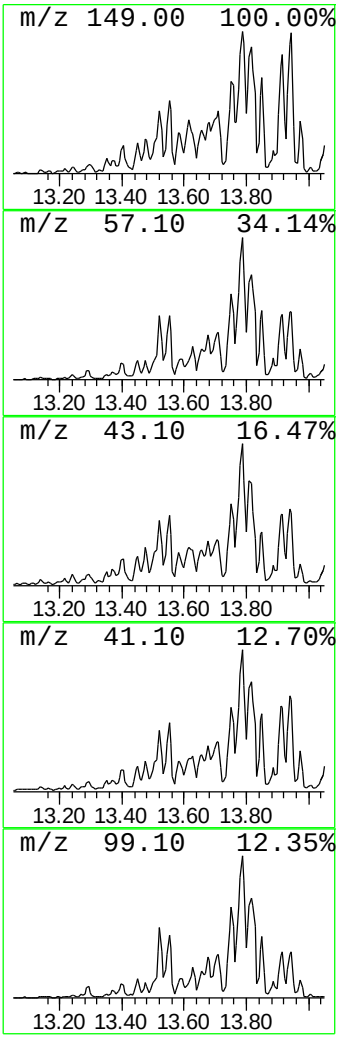
Peak Number 9 Phthalic acid, hept-3-yl is... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.55	21.55 ng	4316170	Chrysene-d12	14.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phthalic acid, hept-3-yl isobutyv...	320	C19H28O4	1000356-98-6	80
2	1,2-Benzenedicarboxylic acid, di...	362	C22H34O4	003648-21-3	72
3	Phthalic acid, 5-methylhex-2-yl ...	320	C19H28O4	1000371-09-1	72
4	Phthalic acid, 2,4-dimethylpent-...	362	C22H34O4	1000356-84-6	72
5	1,2-Benzenedicarboxylic acid, bi...	278	C16H22O4	000084-69-5	72





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Operator : JU
Sample : K6024-05
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B-5-(0.5-1.0)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF111319.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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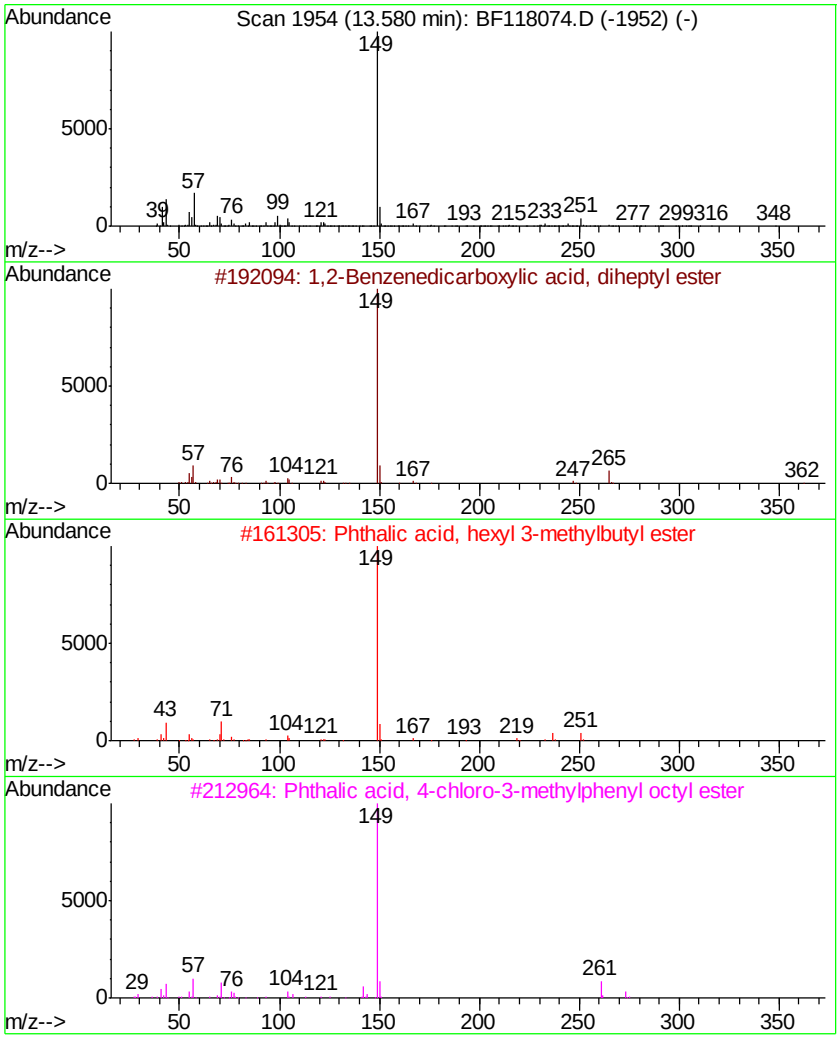
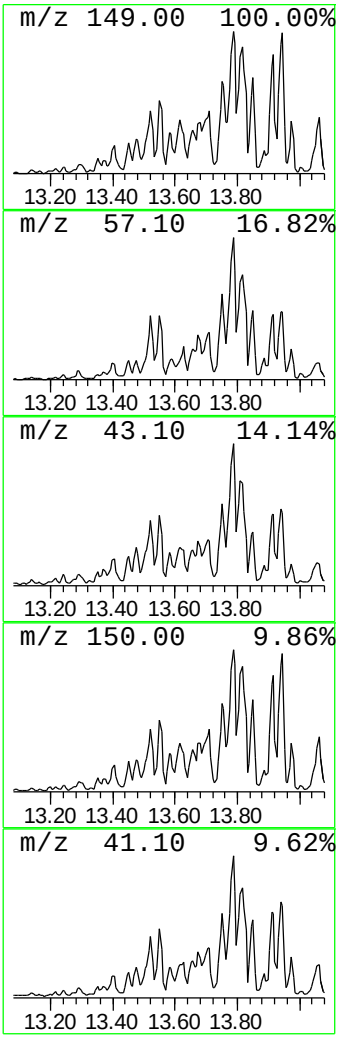
Peak Number 10 Phthalic acid, hexyl 3-meth... Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.58	10.46 ng	2094220	Chrysene-d12	14.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,2-Benzenedicarboxylic acid, di...	362	C22H34O4	003648-21-3	80
2	Phthalic acid, hexyl 3-methylbut...	320	C19H28O4	1000356-80-7	80
3	Phthalic acid, 4-chloro-3-methyl...	402	C23H27ClO4	1000309-84-9	72
4	Phthalic acid, 3,3-dimethylbut-2...	306	C18H26O4	1000357-00-1	72
5	Phthalic acid, dodecyl 2-fluorop...	428	C26H33FO4	1000356-15-1	72





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ClientSampleId : B-5-(0.5-1.0)

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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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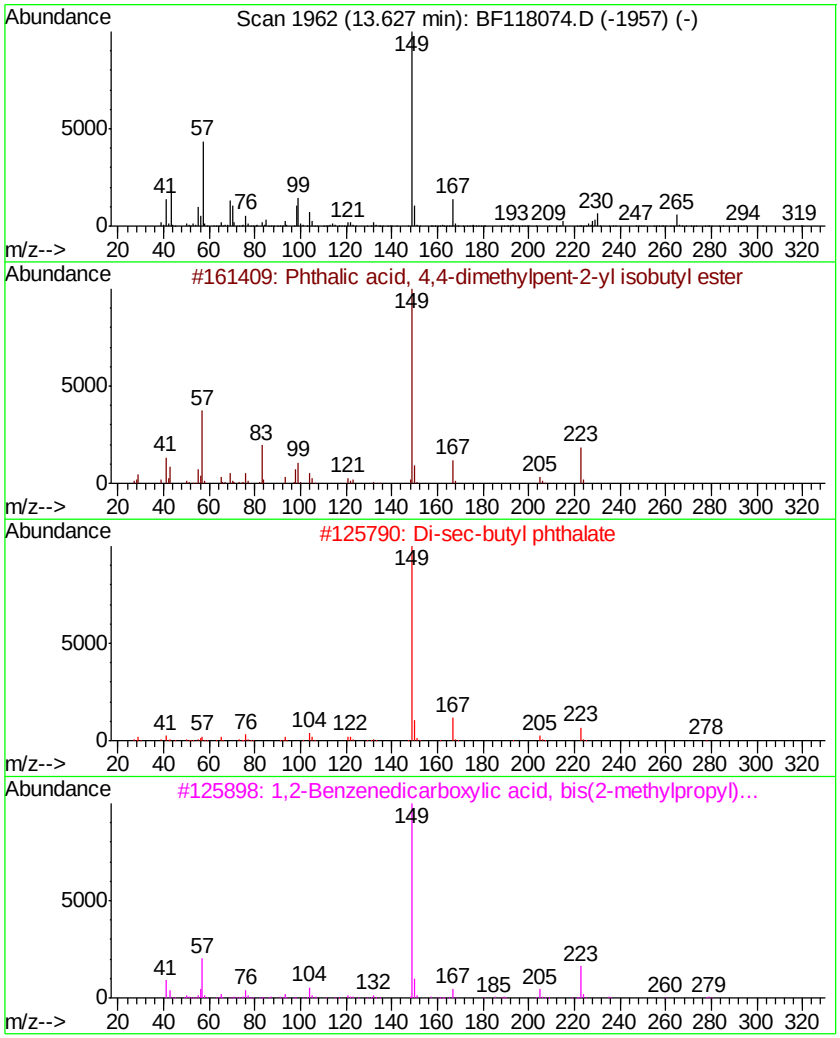
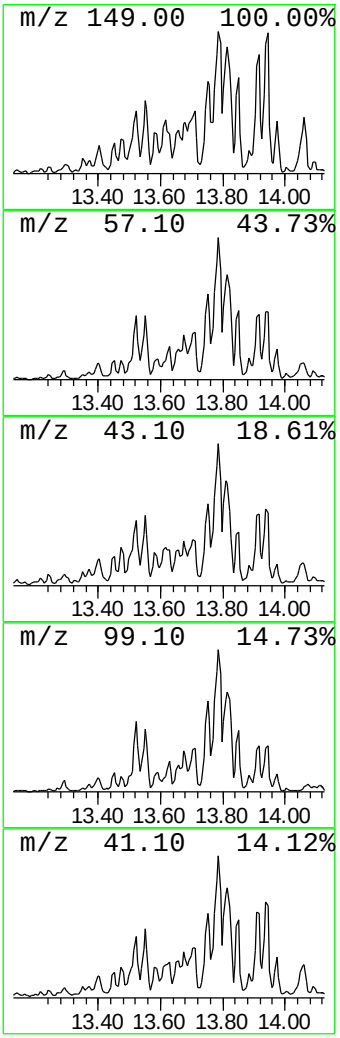
Peak Number 11 Phthalic acid, 4,4-dimethyl... Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.63	14.26 ng	2856090	Chrysene-d12	14.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phthalic acid, 4,4-dimethylpent-...	320	C19H28O4	1000371-14-2	86
2	Di-sec-butyl phthalate	278	C16H22O4	1000373-65-4	68
3	1,2-Benzenedicarboxylic acid, bi...	278	C16H22O4	000084-69-5	62
4	Phthalic acid, isobutyl cyclohex...	318	C19H26O4	1000308-94-3	59
5	Phthalic acid, octyl propyl ester	320	C19H28O4	1000309-10-8	58





Library Search Compound Report

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Sample : K6024-05
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ClientSampleId : B-5-(0.5-1.0)

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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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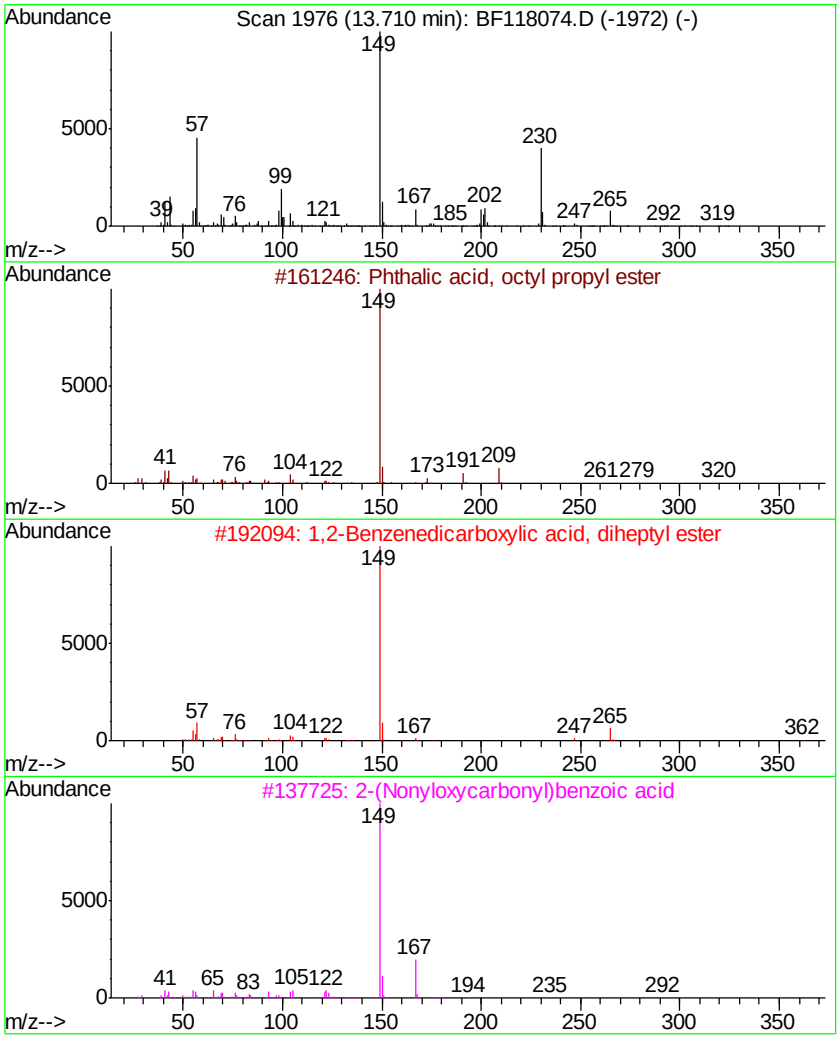
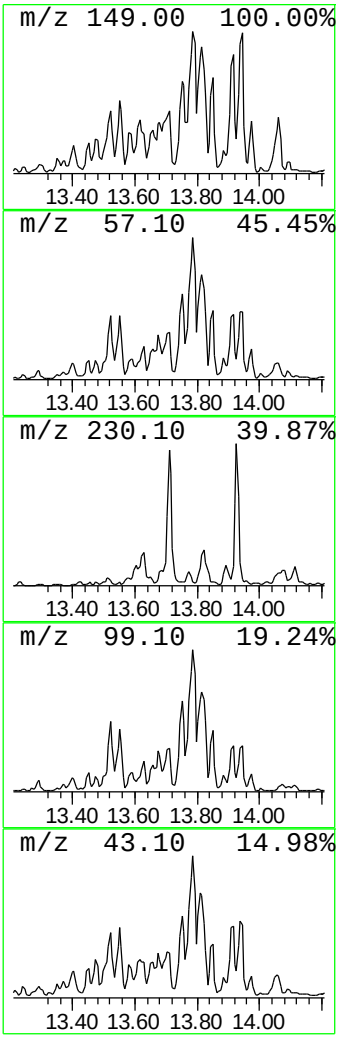
Peak Number 13 unknown13.71 Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.71	23.19 ng	4642890	Chrysene-d12	14.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phthalic acid, octyl propyl ester	320	C19H28O4	1000309-10-8	43
2	1,2-Benzenedicarboxylic acid, di...	362	C22H34O4	003648-21-3	43
3	2-(Nonyloxycarbonyl)benzoic acid	292	C17H24O4	1000373-89-9	43
4	Diamyl phthalate	306	C18H26O4	000131-18-0	43
5	Phthalic acid, cyclohexylmethyl ...	290	C17H22O4	1000309-10-0	38





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Operator : JU
Sample : K6024-05
Misc :
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Instrument : BNA_F
ClientSampleId : B-5-(0.5-1.0)

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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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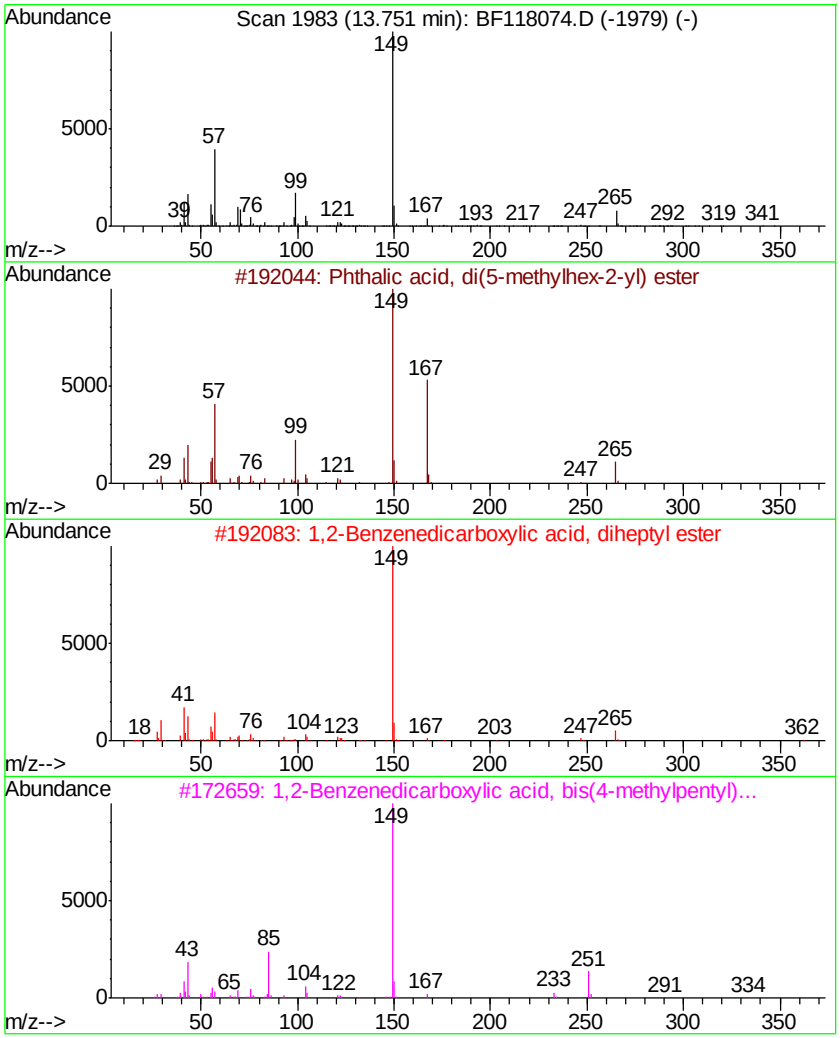
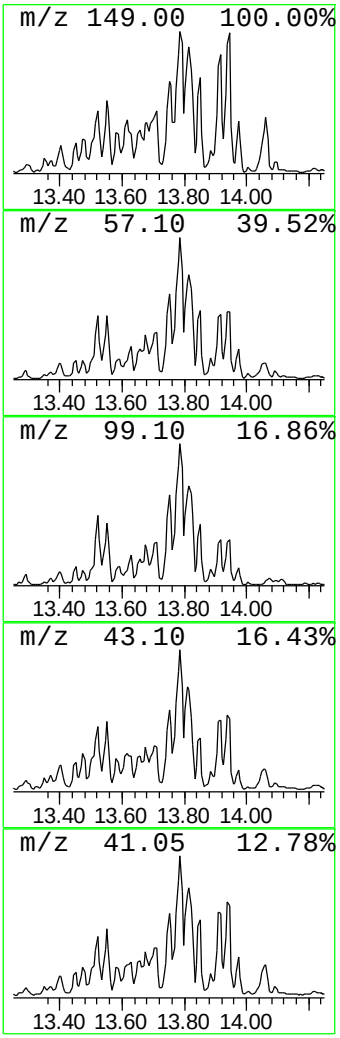
Peak Number 14 1,2-Benzenedicarboxylic aci... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.75	32.01 ng	6409310	Chrysene-d12	14.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phthalic acid, di(5-methylhex-2-...	362	C22H34O4	1000371-09-4	87
2	1,2-Benzenedicarboxylic acid, di...	362	C22H34O4	003648-21-3	72
3	1,2-Benzenedicarboxylic acid, bi...	334	C20H30O4	000146-50-9	64
4	Phthalic acid, di(4-methylpent-2...	334	C20H30O4	1000356-88-6	64
5	Phthalic acid, 2-methylpent-3-yl...	320	C19H28O4	1000356-90-9	64





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Sample : K6024-05
Misc :
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Instrument : BNA_F
ClientSampleId : B-5-(0.5-1.0)

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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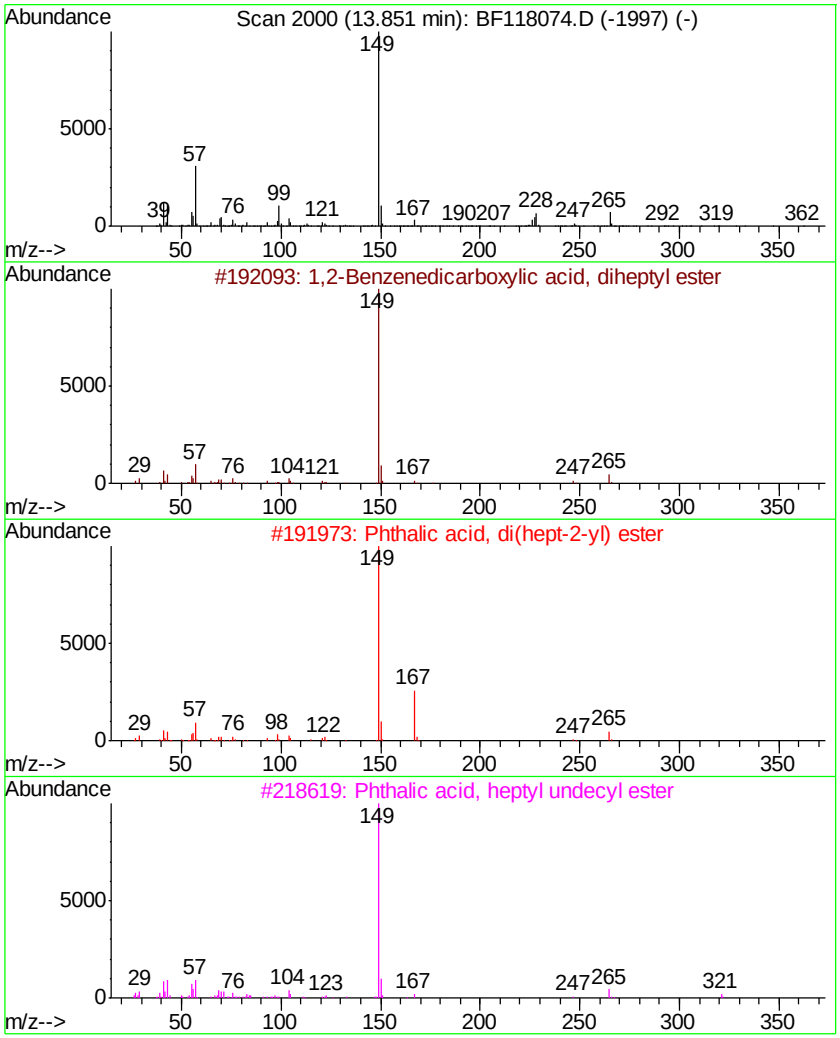
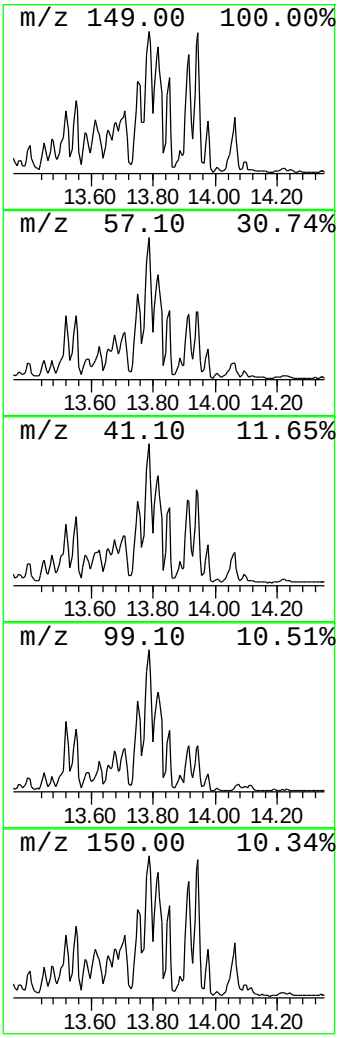
Peak Number 17 Phthalic acid, di(hept-2-yl... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.85	22.26 ng	4458010	Chrysene-d12	14.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,2-Benzenedicarboxylic acid, di...	362	C22H34O4	003648-21-3	72
2	Phthalic acid, di(hept-2-yl) ester	362	C22H34O4	1000356-98-3	72
3	Phthalic acid, heptyl undecyl ester	418	C26H42O4	1000308-94-0	64
4	Phthalic acid, 6-ethyl-3-octyl h...	404	C25H40O4	1000315-17-7	59
5	Phthalic acid, 2,2-dichloroethyl...	374	C18H24Cl2O4	1000356-92-9	59





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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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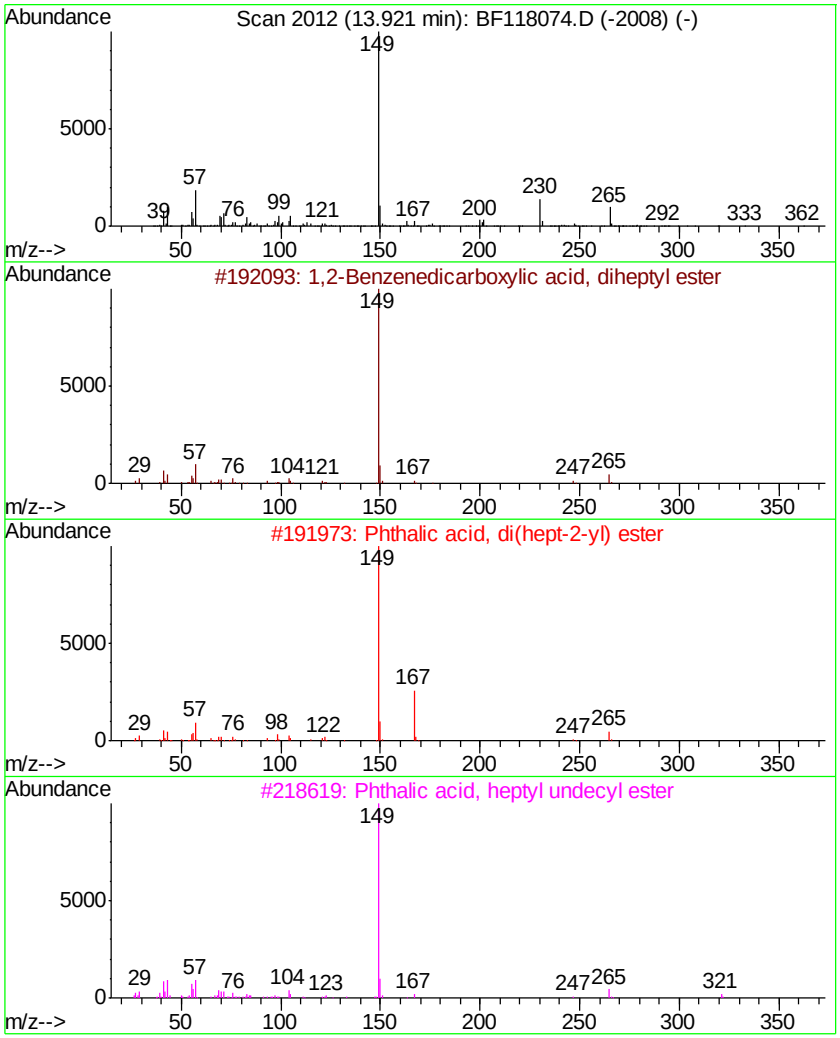
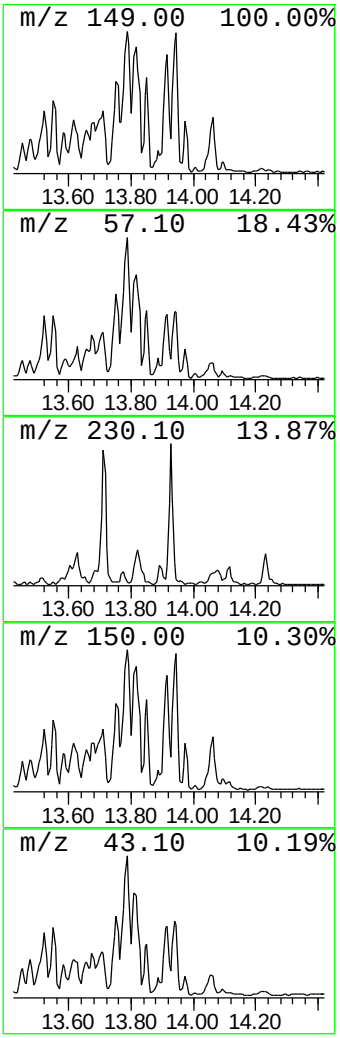
Peak Number 18 Phthalic acid, heptyl undec... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.92	26.06 ng	5217770	Chrysene-d12	14.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,2-Benzenedicarboxylic acid, di...	362	C22H34O4	003648-21-3	86
2	Phthalic acid, di(hept-2-yl) ester	362	C22H34O4	1000356-98-3	86
3	Phthalic acid, heptyl undecyl ester	418	C26H42O4	1000308-94-0	86
4	Phthalic acid, 6-ethyl-3-octyl h...	404	C25H40O4	1000315-17-7	78
5	Phthalic acid, 2,2-dichloroethyl...	444	C23H34Cl2O4	1000356-93-4	72





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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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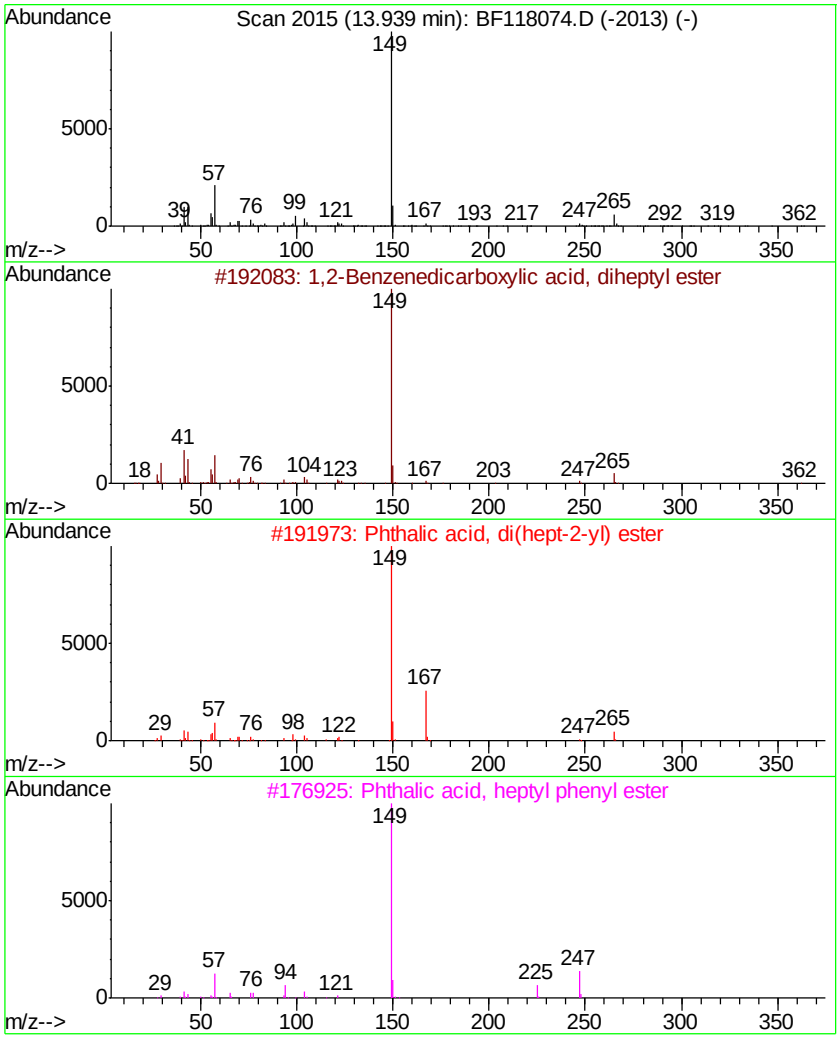
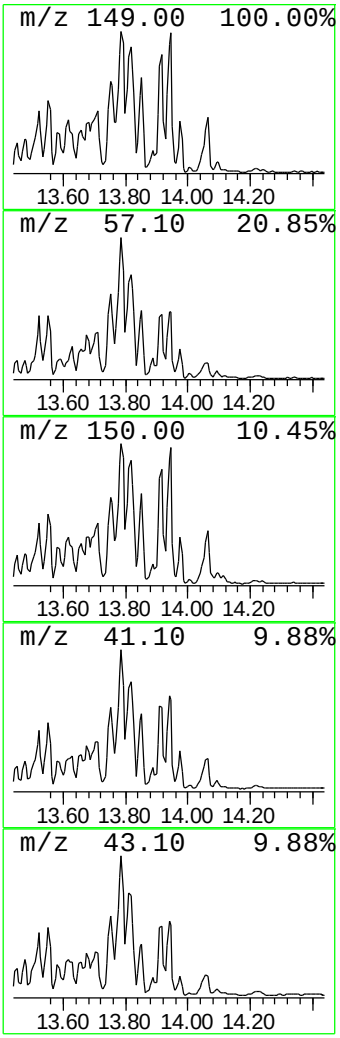
Peak Number 19 Phthalic acid, 4-bromopheny... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.94	31.16 ng	6238690	Chrysene-d12	14.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,2-Benzenedicarboxylic acid, di...	362	C22H34O4	003648-21-3	96
2	Phthalic acid, di(hept-2-yl) ester	362	C22H34O4	1000356-98-3	86
3	Phthalic acid, heptyl phenyl ester	340	C21H24O4	1000314-87-3	72
4	Phthalic acid, 4-bromophenyl hep...	418	C21H23BrO4	1000309-81-4	72
5	Phthalic acid, butyl hept-2-yl e...	320	C19H28O4	1000356-97-1	72





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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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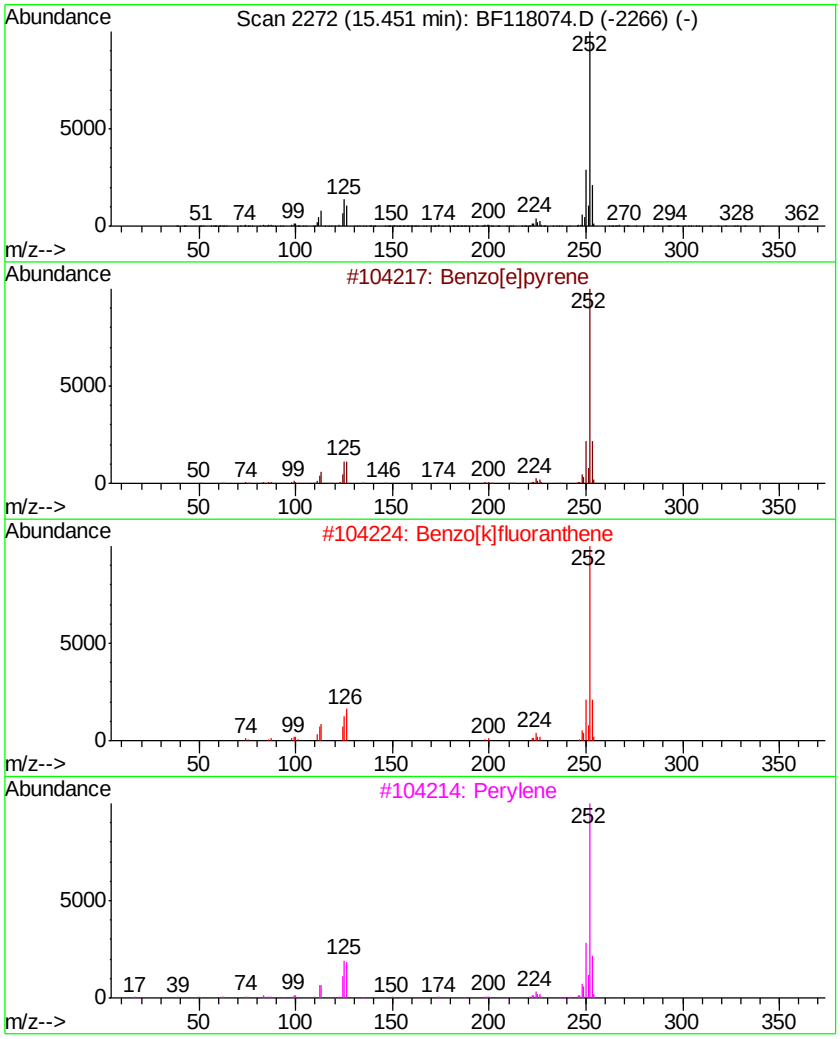
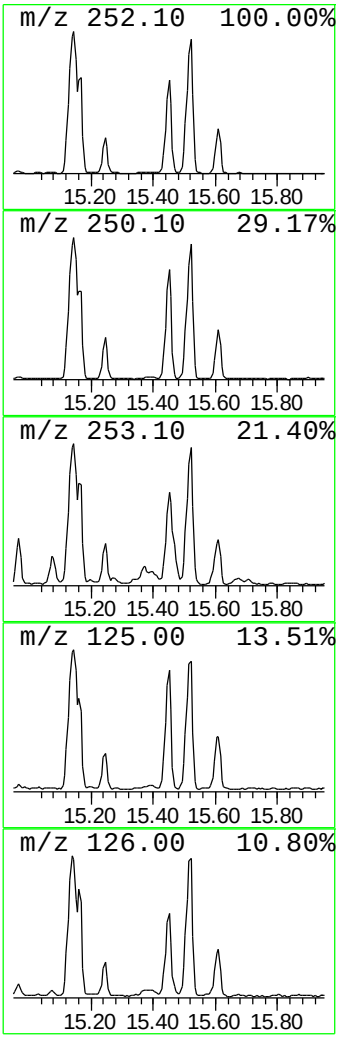
Peak Number 20 Benzo[e]pyrene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.45	37.23 ng	2173410	Perylene-d12	15.57

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	95
4	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	94
5	Benzo[a]pyrene	252	C20H12	000050-32-8	93





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF120319\
Data File : BF118074.D
Acq On : 3 Dec 2019 20:48
Operator : JU
Sample : K6024-05
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B-5-(0.5-1.0)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF111319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Butane, 2-methoxy...	2.15	21.8	ng	875494	1	6.87	805231	20.0
2-Pentanone, 4-hy...	5.09	13.0	ng	522476	1	6.87	805231	20.0
unknown6.65	6.65	73.0	ng	2940900	1	6.87	805231	20.0
Butanoic acid, 2-...	10.33	17.1	ng	1055270	3	9.93	1232260	20.0
Phenanthrene, 2-m...	11.95	17.6	ng	1201980	4	11.42	1368200	20.0
4H-Cyclopenta[def...	12.03	17.6	ng	1206630	4	11.42	1368200	20.0
Diisoheptyl phtha...	13.52	18.3	ng	3672830	5	14.09	4004930	20.0
Phthalic acid, he...	13.55	21.6	ng	4316170	5	14.09	4004930	20.0
Phthalic acid, he...	13.58	10.5	ng	2094220	5	14.09	4004930	20.0
Phthalic acid, 4,...	13.63	14.3	ng	2856090	5	14.09	4004930	20.0
unknown13.71	13.71	23.2	ng	4642890	5	14.09	4004930	20.0
1,2-Benzenedicarb...	13.75	32.0	ng	6409310	5	14.09	4004930	20.0
Phthalic acid, di...	13.85	22.3	ng	4458010	5	14.09	4004930	20.0
Phthalic acid, he...	13.92	26.1	ng	5217770	5	14.09	4004930	20.0
Phthalic acid, 4-...	13.94	31.2	ng	6238690	5	14.09	4004930	20.0
Benzo[e]pyrene	15.45	37.2	ng	2173410	6	15.57	1167560	20.0