LSC Area Percent Report

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF110917\
Data File : BF100353.D
Acq On : 9 Nov 2017 21:02
Operator : SJ/JU
Sample : I6381-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RT-4651

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:\HPCHEM1\BNA_F\METHODS\8270-BF110817.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	5.134	513	518	529	rBV	611328	749534	17.99%	1.463%
2	5.522	578	584	587	rBV	3515279	3534829	84.82%	6.900%
3	6.522	748	754	759	rBV	3124264	3746802	89.91%	7.314%
4	6.669	774	779	783	rBV	3496165	3618545	86.83%	7.064%
5	6.904	815	819	822	rBV	1295709	1201209	28.82%	2.345%
6	7.057	841	845	848	rBV	3072523	2809964	67.43%	5.485%
7	7.463	908	914	917	rBV	2448216	2360122	56.63%	4.607%
8	8.181	1027	1036	1039	rBV	1765112	1664320	39.94%	3.249%
9	8.204	1039	1040	1043	rVB	204629	98069	2.35%	0.191%
10	8.733	1126	1130	1133	rBV	229694	187645	4.50%	0.366%
11	8.892	1154	1157	1162	rBV	100556	75885	1.82%	0.148%
12	8.992	1170	1174	1178	rVB	57851	47120	1.13%	0.092%
13	9.257	1214	1219	1222	rBV	4280147	4167380	100.00%	8.135%
14	9.645	1283	1285	1289	rVB	136407	102542	2.46%	0.200%
15	9.798	1306	1311	1315	rBV	57480	57656	1.38%	0.113%
16	9.939	1328	1335	1338	rBV	1924325	1752114	42.04%	3.420%
17	9.969	1338	1340	1343	rVB	125113	91444	2.19%	0.179%
18	10.139	1364	1369	1372	rVB	112161	102866	2.47%	0.201%
19	10.480	1424	1427	1432	rVB	115410	111060	2.66%	0.217%
20	10.651	1451	1456	1459	rBV	891888	721053	17.30%	1.408%
21	10.727	1464	1469	1472	rBV	2495401	2396360	57.50%	4.678%
22	10.833	1484	1487	1492	rBV2	70438	91989	2.21%	0.180%
23	11.157	1539	1542	1544	rBV2	44907	44196	1.06%	0.086%
24	11.222	1551	1553	1557	rVB2	67607	66242	1.59%	0.129%
25	11.280	1557	1563	1567	rVV3	65582	115610	2.77%	0.226%
26	11.322	1567	1570	1575	rVB	69266	69901	1.68%	0.136%
27	11.422	1581	1587	1590	rBV	1739283	1823512	43.76%	3.560%
28	11.445	1590	1591	1595	rVV	1063444	760950	18.26%	1.485%
29	11.498	1597	1600	1602	rVV	239489	200236	4.80%	0.391%
30	11.527	1602	1605	1609	rVB2	49429	53524	1.28%	0.104%
31	11.651	1620	1626	1628	rBV2	116273	137009	3.29%	0.267%
32	11.721	1635	1638	1640	rVB	76131	67321	1.62%	0.131%
33	11.921	1666	1672	1673	rBV	154745	142382	3.42%	0.278%
34	11.945	1673	1676	1681	rVV2	531561	626023	15.02%	1.222%

LSC Area Percent Report

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Operator : SJ/JU
Sample : I6381-01
Misc :
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Instrument : BNA_F
ClientSampleId : RT-4651

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

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Peak separation: 5

Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF110817.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	11.998	1683	1685	1688	rVV	102883	92625	2.22%	0.181%
36	12.033	1688	1691	1694	rVV2	261685	309216	7.42%	0.604%
37	12.057	1694	1695	1699	rVB	117047	69950	1.68%	0.137%
38	12.221	1720	1723	1724	rBV	122607	110936	2.66%	0.217%
39	12.239	1724	1726	1729	rVB	85225	71700	1.72%	0.140%
40	12.368	1745	1748	1750	rVB	55042	43173	1.04%	0.084%
41	12.398	1750	1753	1755	rVV	76944	56651	1.36%	0.111%
42	12.421	1755	1757	1760	rVB	64449	48746	1.17%	0.095%
43	12.474	1762	1766	1768	rBV	126433	135284	3.25%	0.264%
44	12.504	1768	1771	1774	rVV2	76069	97836	2.35%	0.191%
45	12.557	1777	1780	1785	rVB	328372	287256	6.89%	0.561%
46	12.639	1790	1794	1797	rBV	2603995	2328013	55.86%	4.545%
47	12.727	1806	1809	1812	rBV	281606	235999	5.66%	0.461%
48	12.786	1817	1819	1822	rVV	67858	63927	1.53%	0.125%
49	12.868	1826	1833	1837	rBV2	1869439	1993146	47.83%	3.891%
50	12.910	1837	1840	1845	rVB2	86923	121685	2.92%	0.238%
51	12.980	1848	1852	1853	rBV2	121938	111186	2.67%	0.217%
52	13.010	1853	1857	1860	rVV	3353819	3115493	74.76%	6.082%
53	13.086	1863	1870	1873	rBV2	134884	249078	5.98%	0.486%
54	13.168	1881	1884	1885	rBV2	92353	99889	2.40%	0.195%
55	13.192	1885	1888	1892	rVB2	147229	157180	3.77%	0.307%
56	13.257	1897	1899	1901	rVV	91202	66626	1.60%	0.130%
57	13.292	1901	1905	1908	rVV2	161057	184895	4.44%	0.361%
58	13.321	1908	1910	1913	rVB2	54213	43453	1.04%	0.085%
59	13.386	1919	1921	1924	rBV	78669	62423	1.50%	0.122%
60	13.415	1924	1926	1930	rBV2	76445	84569	2.03%	0.165%
61	13.563	1947	1951	1952	rBV3	31322	42402	1.02%	0.083%
62	13.692	1971	1973	1978	rVB	87544	89844	2.16%	0.175%
63	13.810	1988	1993	1996	rBV2	120128	162192	3.89%	0.317%
64	13.839	1996	1998	2000	rVV	129995	104898	2.52%	0.205%
65	13.863	2000	2002	2005	rVV2	81428	109012	2.62%	0.213%
66	13.898	2005	2008	2014	rVB2	313045	365890	8.78%	0.714%
67	14.063	2028	2036	2038	rBV2	1365450	1866145	44.78%	3.643%
68	14.086	2038	2040	2046	rVB	599612	540760	12.98%	1.056%
69	14.286	2070	2074	2076	rBV2	40124	57651	1.38%	0.113%
70	14.445	2098	2101	2104	rVB	104314	95484	2.29%	0.186%
71	14.480	2104	2107	2110	rVB	75186	64861	1.56%	0.127%

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Sample : I6381-01
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Instrument : BNA_F
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Integration Parameters: rteint.p
Integrator: RTE
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72	14.533	2111	2116	2120	rBV5	94653	153187	3.68%	0.299%
73	14.568	2120	2122	2124	rBV2	46288	43215	1.04%	0.084%
74	14.751	2150	2153	2156	rBV4	28869	44508	1.07%	0.087%
75	14.921	2179	2182	2184	rBV2	35245	43610	1.05%	0.085%
76	15.104	2209	2213	2217	rBV	390836	632864	15.19%	1.235%
77	15.180	2223	2226	2229	rBV2	128061	142185	3.41%	0.278%
78	15.215	2229	2232	2237	rVB	84123	100818	2.42%	0.197%
79	15.415	2262	2266	2272	rVB	224971	266995	6.41%	0.521%
80	15.480	2272	2277	2282	rVB	284677	347991	8.35%	0.679%
81	15.545	2283	2288	2292	rBV	900886	1176787	28.24%	2.297%
82	15.821	2332	2335	2340	rBV2	61513	75220	1.80%	0.147%
83	17.027	2535	2540	2549	rVB2	127451	261503	6.27%	0.510%
84	17.215	2568	2572	2576	rBV4	31762	61201	1.47%	0.119%
85	17.480	2611	2617	2628	rVB	104375	237407	5.70%	0.463%
86	17.633	2640	2643	2650	rVB8	51011	103130	2.47%	0.201%

Sum of corrected areas: 51226109

LSC Report - Integrated Chromatogram

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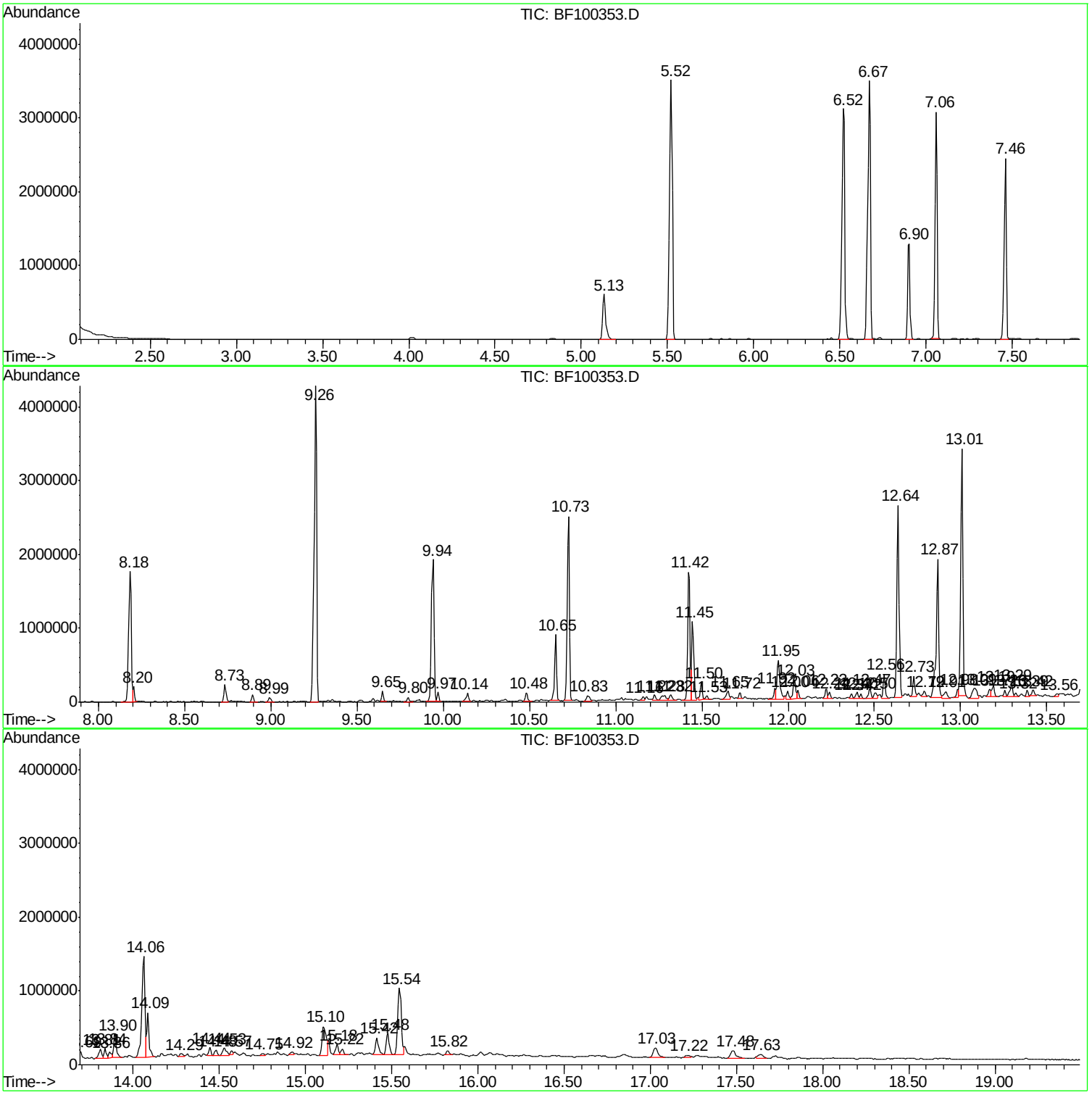
Sample : I6381-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
RT-4651

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF110817.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF110917\
Data File : BF100353.D
Acq On : 9 Nov 2017 21:02
Operator : SJ/JU
Sample : I6381-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RT-4651

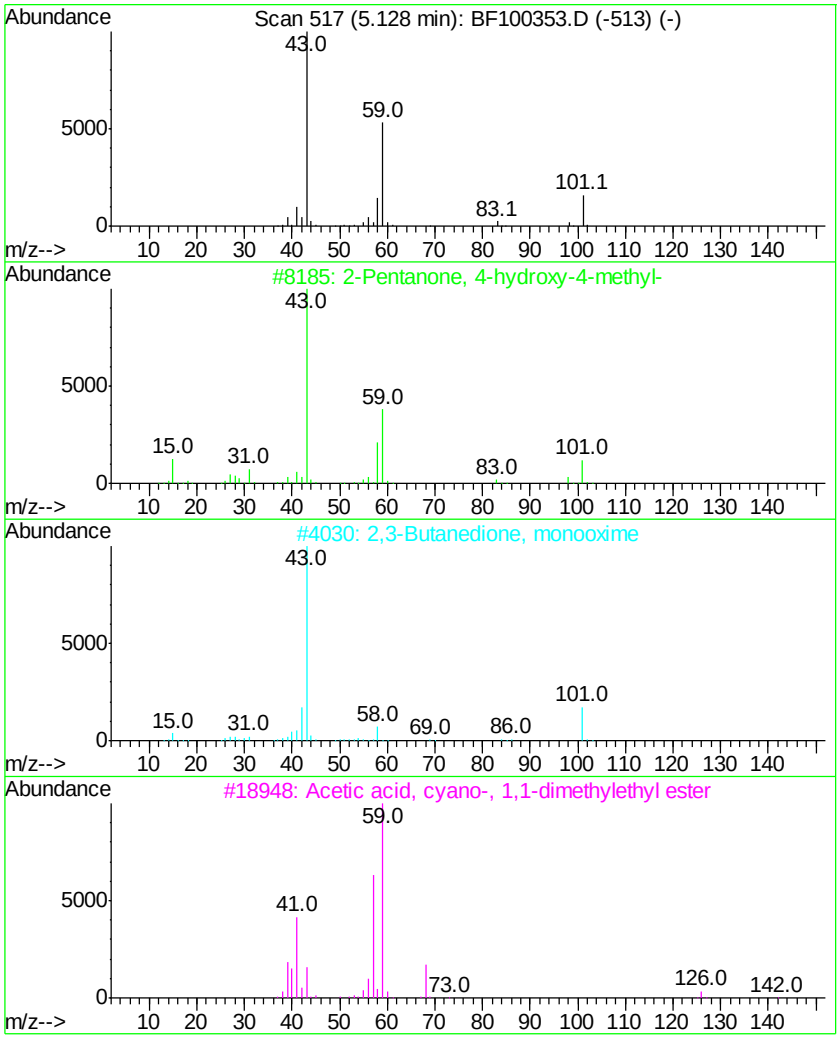
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF110817.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

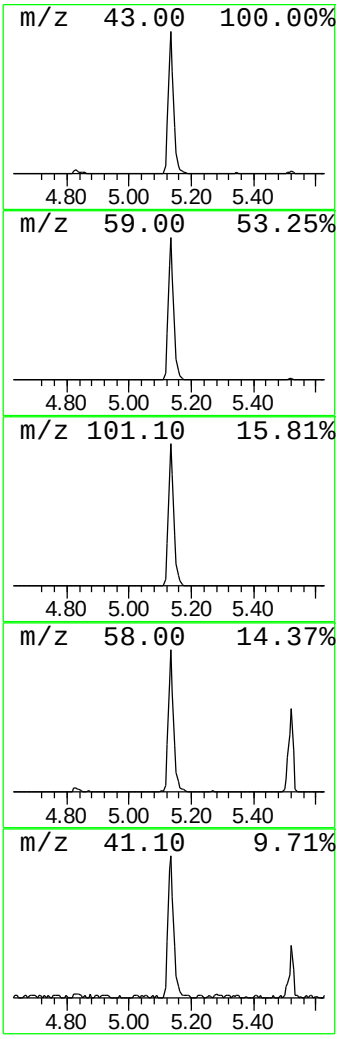
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.13	12.48 ng	749534	1,4-Dichlorobenzene-d4	6.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	59
2	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	27
3	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	25
4	Acetic acid, 1,1-dimethylethyl e...	116	C6H12O2	000540-88-5	17
5	2-Propanone, 1-(1-methylethoxy)-	116	C6H12O2	042781-12-4	9





Library Search Compound Report

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF110917\
Data File : BF100353.D
Acq On : 9 Nov 2017 21:02
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Sample : I6381-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RT-4651

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF110817.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

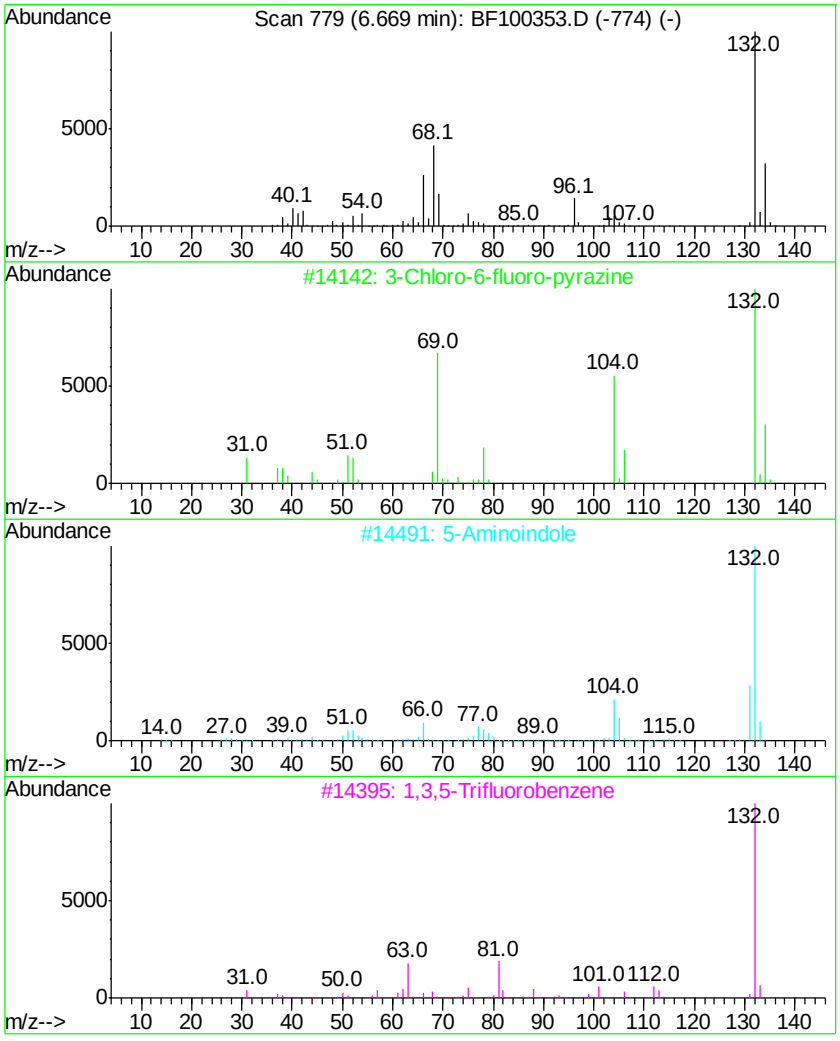
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

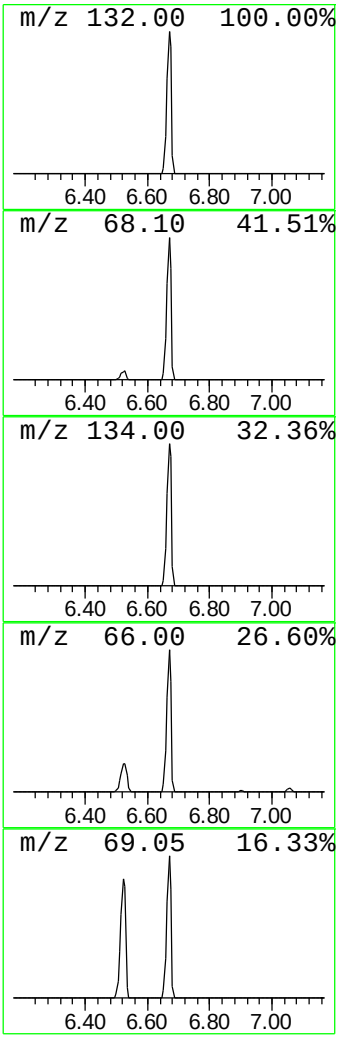
****

Peak Number 2 unknown6.67 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.67	60.25 ng	3618550	1,4-Dichlorobenzene-d4	6.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	27
2	5-Aminoindole	132	C8H8N2	005192-03-0	12
3	1,3,5-Trifluorobenzene	132	C6H3F3	000372-38-3	9
4	Bicyclo[4.2.0]octa-1,3,5-triene,...	132	C10H12	028749-81-7	9
5	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	9





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TIC Library : C:\DATABASE\NIST11.L
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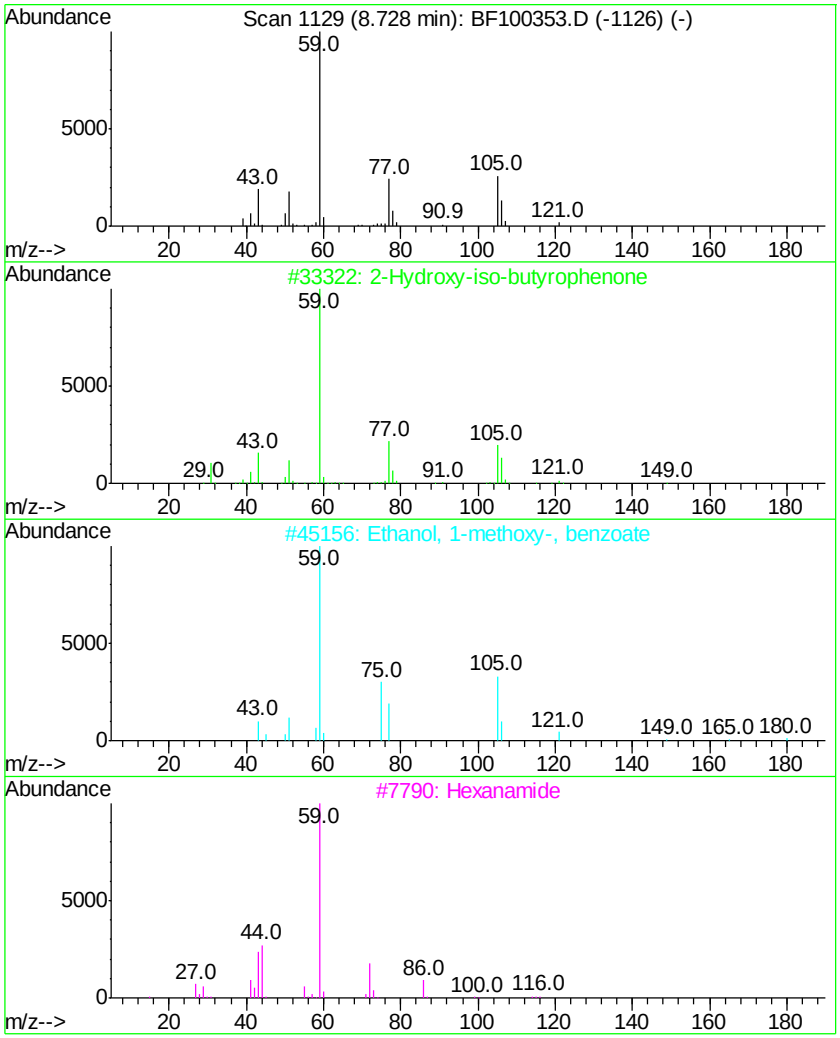
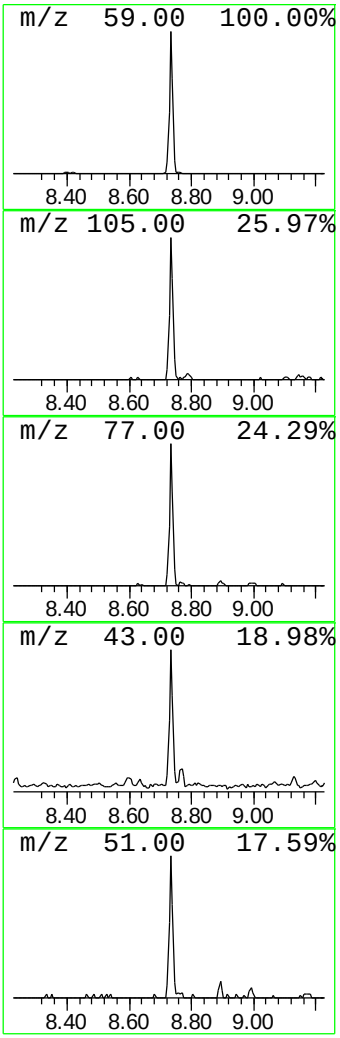
****

Peak Number 4 2-Hydroxy-iso-butyrophenone Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.73	2.25 ng	187645	Naphthalene-d8	8.18

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Hydroxy-iso-butyrophenone	164	C10H12O2	007473-98-5	90
2	Ethanol, 1-methoxy-, benzoate	180	C10H12O3	051835-44-0	72
3	Hexanamide	115	C6H13NO	000628-02-4	9
4	Propionic acid, 2-isopropoxy-, m...	146	C7H14O3	1000151-15-1	9
5	Pentanamide, 4-methyl-	115	C6H13NO	001119-29-5	7





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TIC Library : C:\DATABASE\NIST11.L
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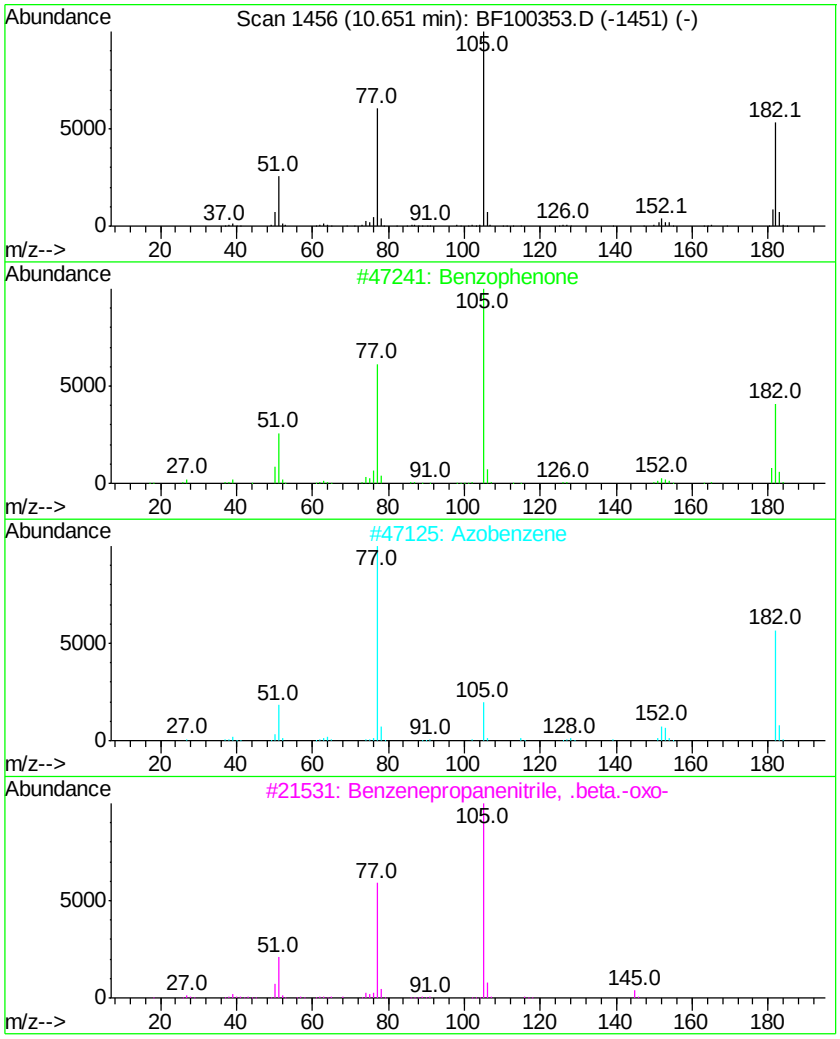
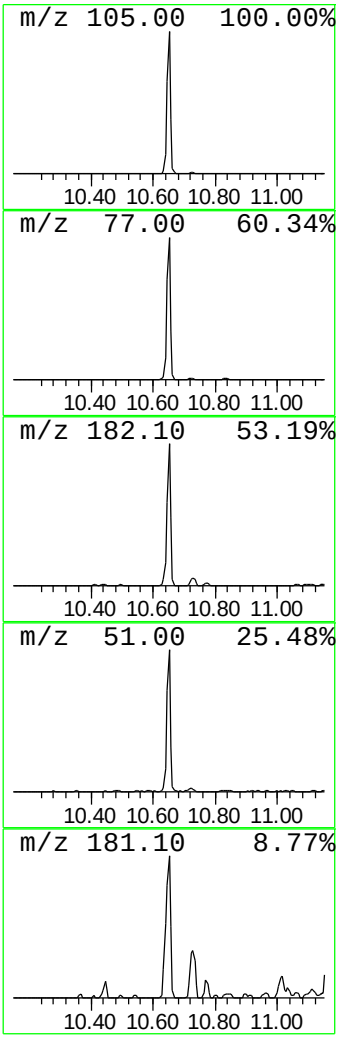
Peak Number 5 Benzophenone Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.65	8.23 ng	721053	Acenaphthene-d10	9.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzophenone	182	C13H10O	000119-61-9	97
2	Azobenzene	182	C12H10N2	000103-33-3	59
3	Benzenepropanenitrile, .beta.-oxo-	145	C9H7NO	000614-16-4	47
4	Vinyl benzoate	148	C9H8O2	000769-78-8	47
5	1-Propanone, 2-bromo-1-phenyl-	212	C9H9BrO	002114-00-3	47





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Instrument : BNA_F
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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF110817.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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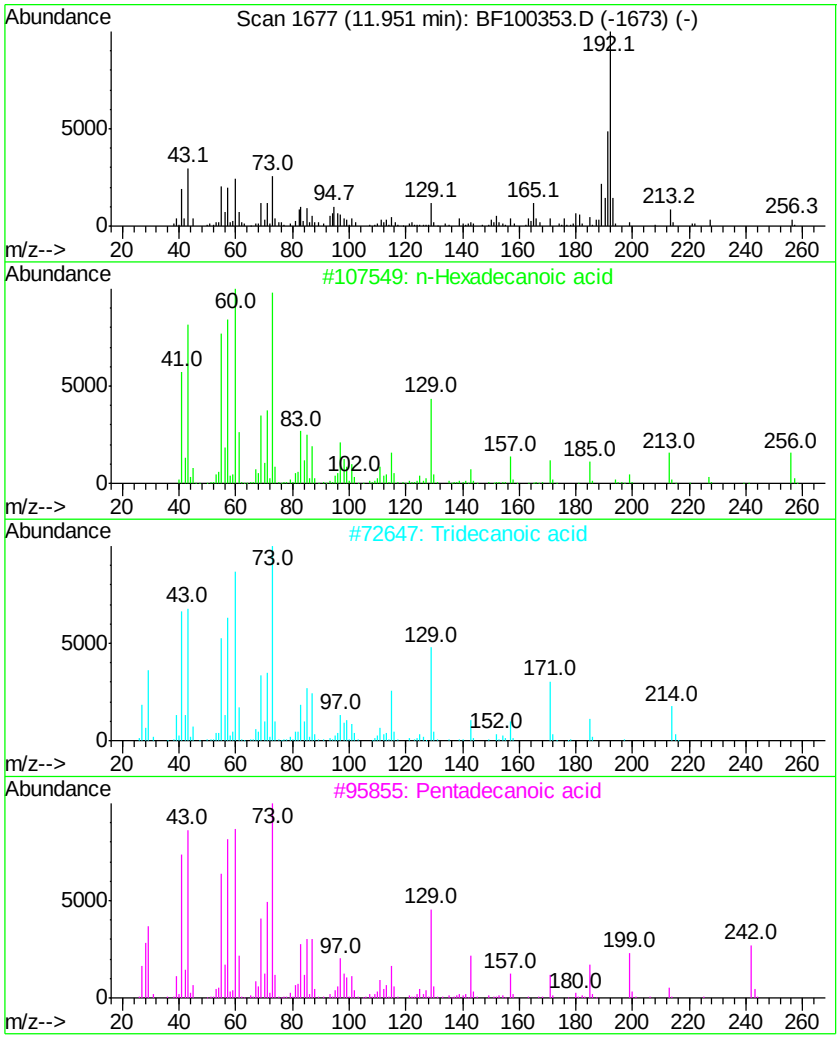
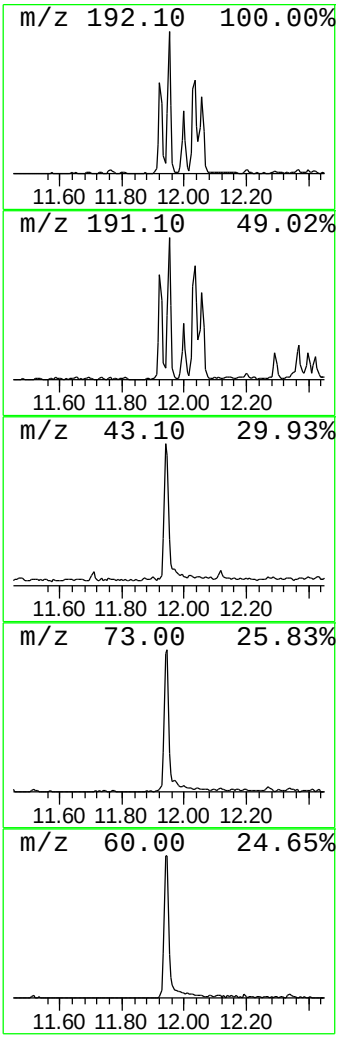
Peak Number 6 n-Hexadecanoic acid Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.95	6.87 ng	626023	Phenanthrene-d10	11.42

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	99
2	Tridecanoic acid	214	C13H26O2	000638-53-9	95
3	Pentadecanoic acid	242	C15H30O2	001002-84-2	90
4	Tetradecanoic acid	228	C14H28O2	000544-63-8	72
5	n-Decanoic acid	172	C10H20O2	000334-48-5	62





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Instrument : BNA_F
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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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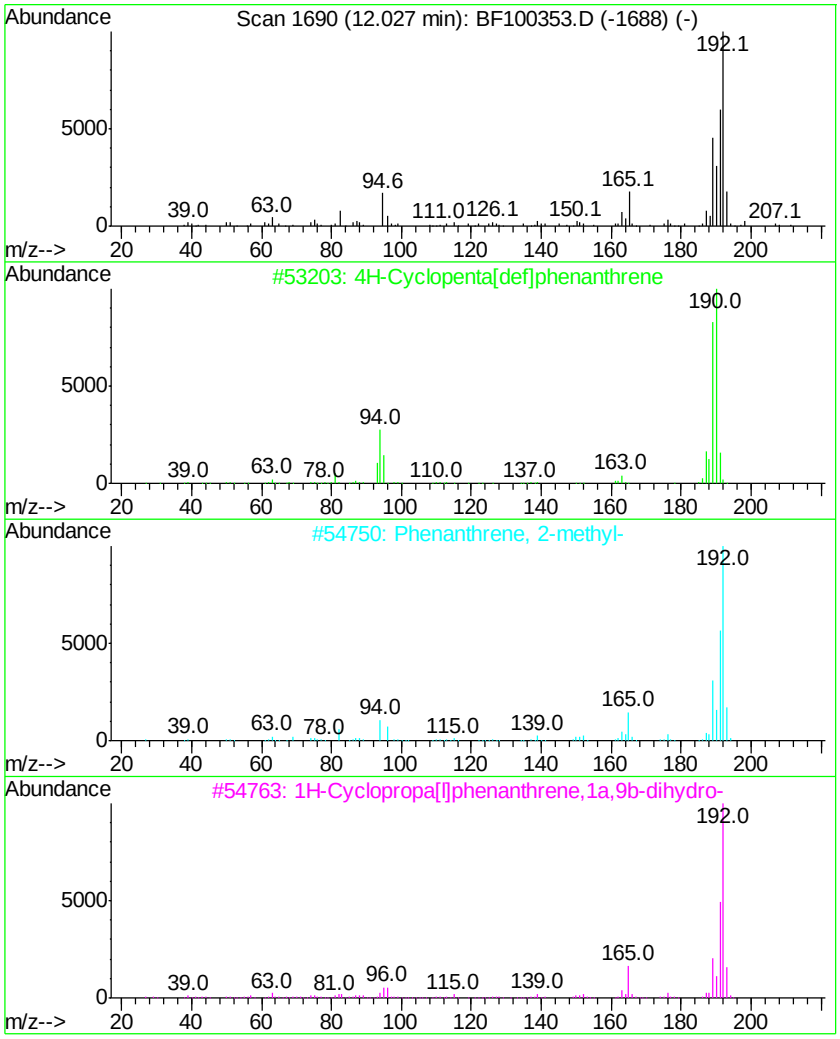
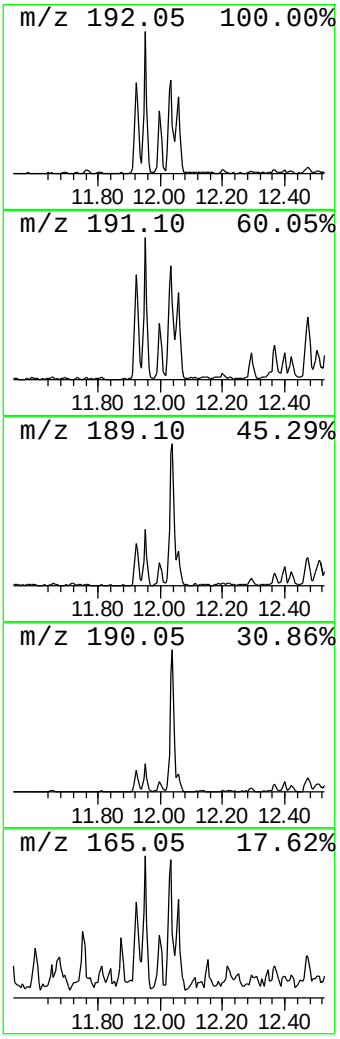
Peak Number 7 4H-Cyclopenta[def]phenanthrene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.03	3.39 ng	309216	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	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	46
3	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	42
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	42
5	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	42





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Acq On : 9 Nov 2017 21:02
Operator : SJ/JU
Sample : I6381-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RT-4651

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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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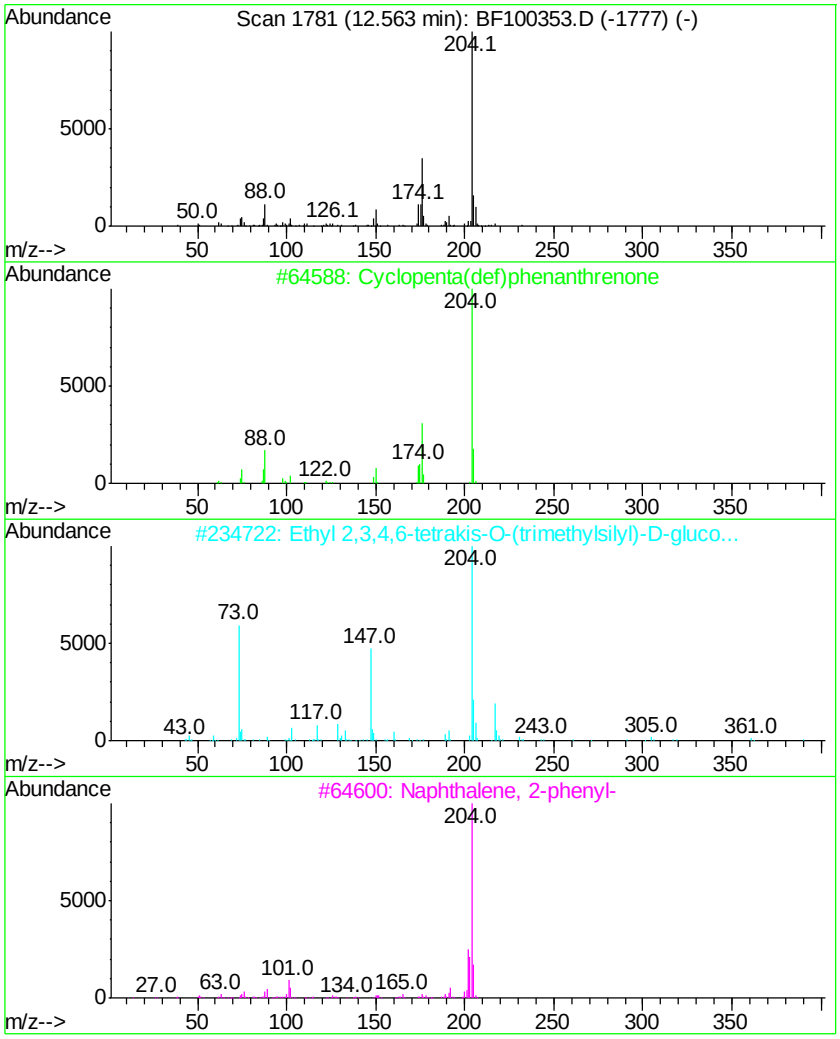
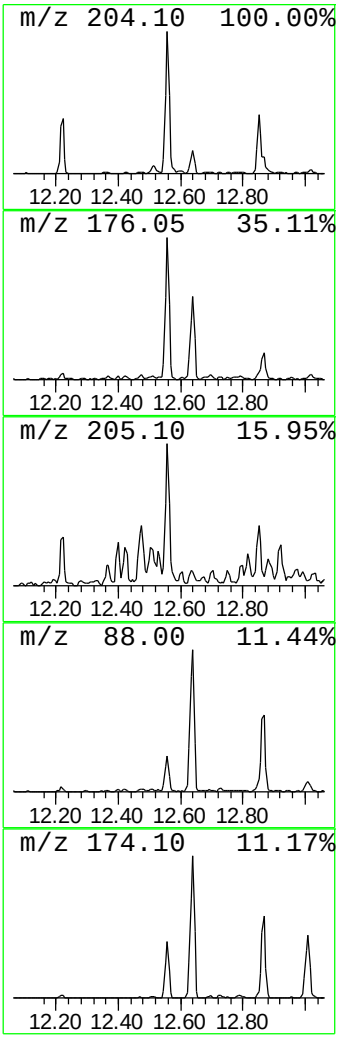
Peak Number 8 Cyclopenta(def)phenanthrenone Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.56	3.15 ng	287256	Phenanthrene-d10	11.42

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	97
2	Ethyl 2,3,4,6-tetrakis-O-(trimet...	496	C20H48O6Si4	1000365-90-0	47
3	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	47
4	Quinoline, 8-methoxy-5-nitro-	204	C10H8N2O3	1000298-88-7	47
5	3,4-Biphenyldicarbonitrile	204	C14H8N2	004128-63-6	45





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Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RT-4651

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

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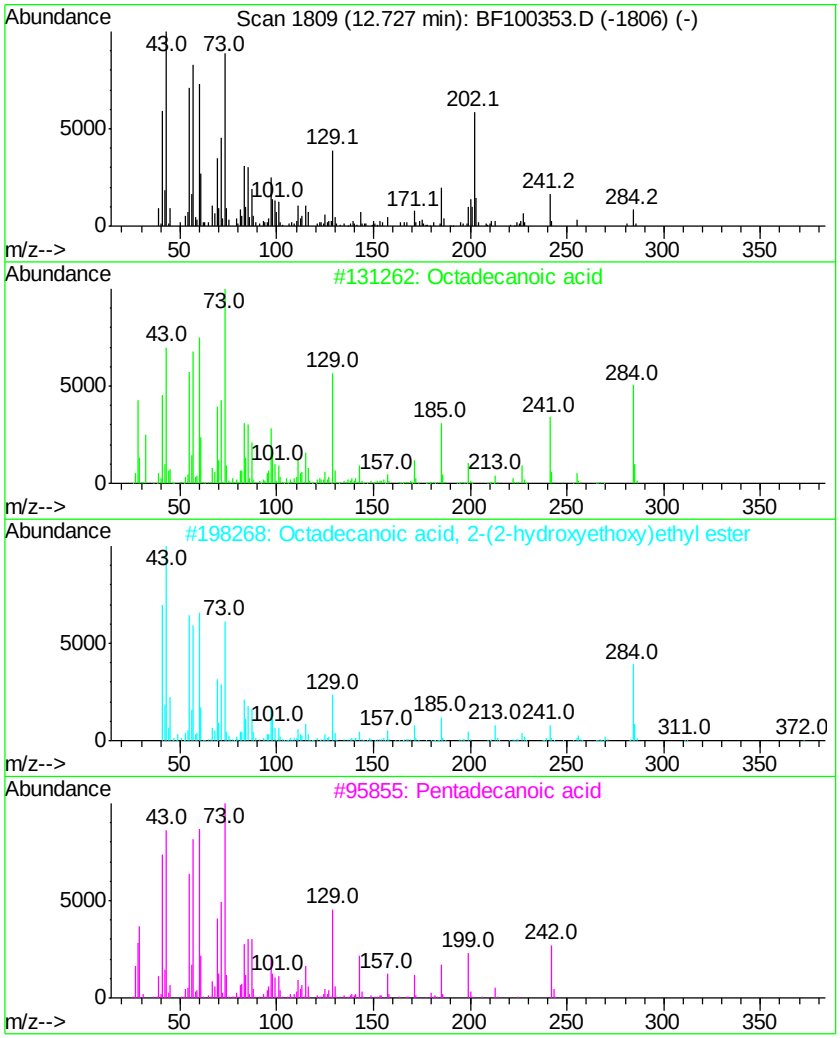
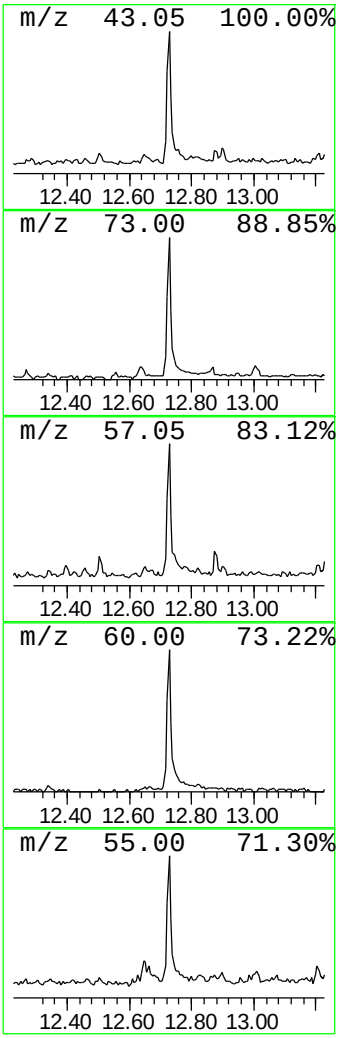
Peak Number 9 Octadecanoic acid Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.73	2.59 ng	235999	Phenanthrene-d10	11.42

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octadecanoic acid	284	C18H36O2	000057-11-4	99
2	Octadecanoic acid, 2-(2-hydroxye...	372	C22H44O4	000106-11-6	80
3	Pentadecanoic acid	242	C15H30O2	001002-84-2	78
4	Tetradecanoic acid	228	C14H28O2	000544-63-8	58
5	Dodecanoic acid	200	C12H24O2	000143-07-7	58





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ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RT-4651

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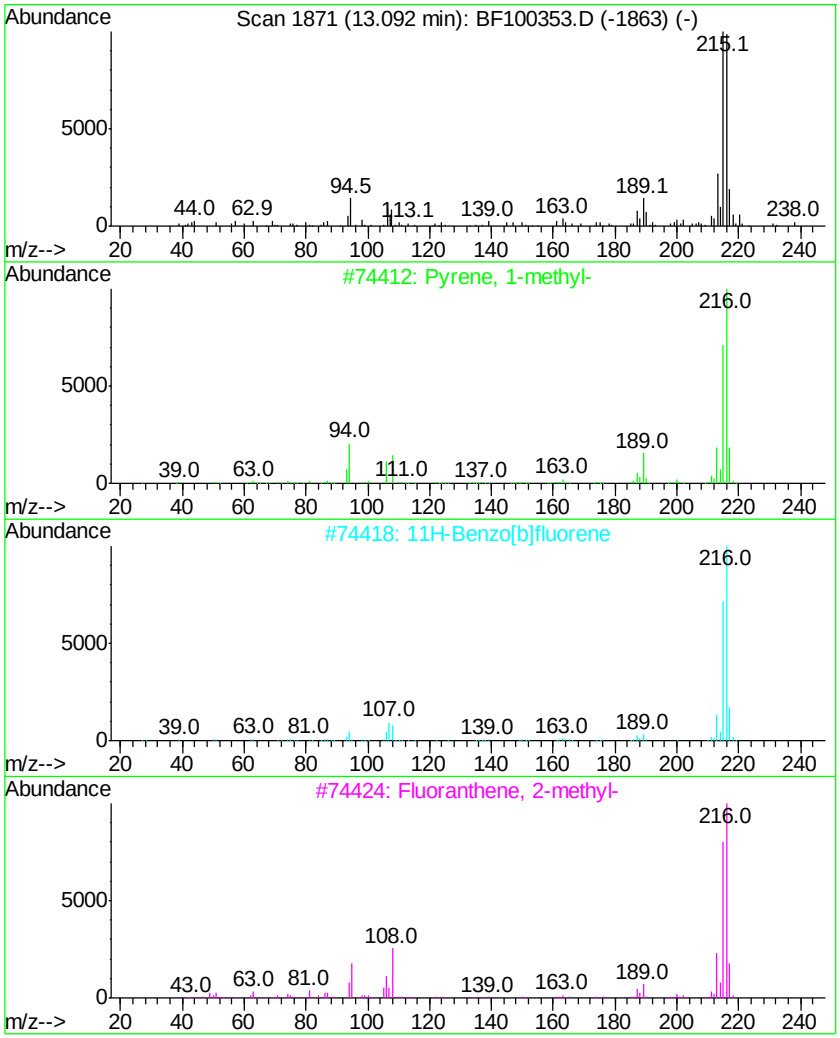
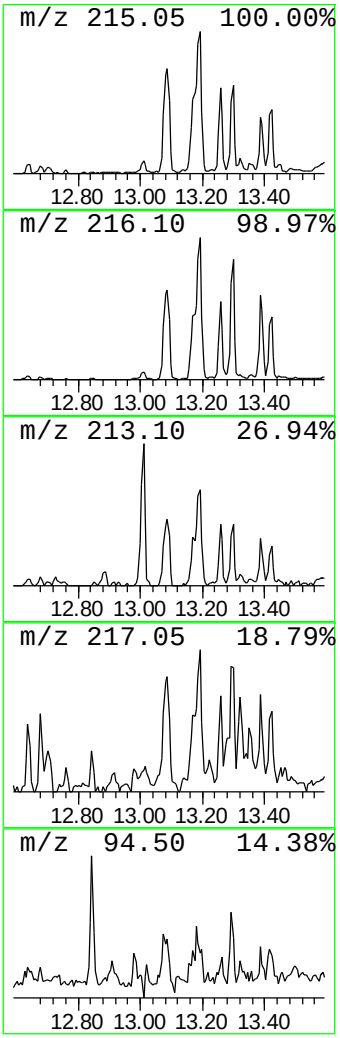
Peak Number 10 Pyrene, 1-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.09	2.67 ng	249078	Chrysene-d12	14.06

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	96
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	91
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	90
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	81
5	Pyrene, 2-methyl-	216	C17H12	003442-78-2	58





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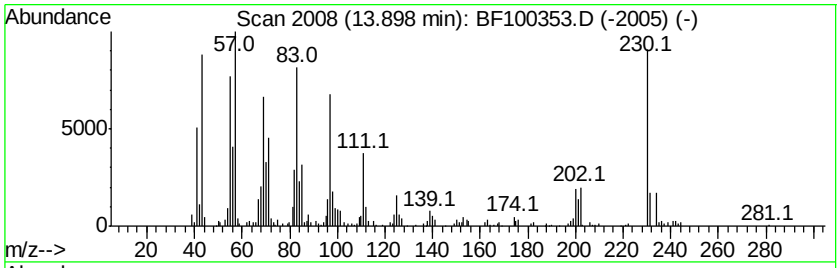
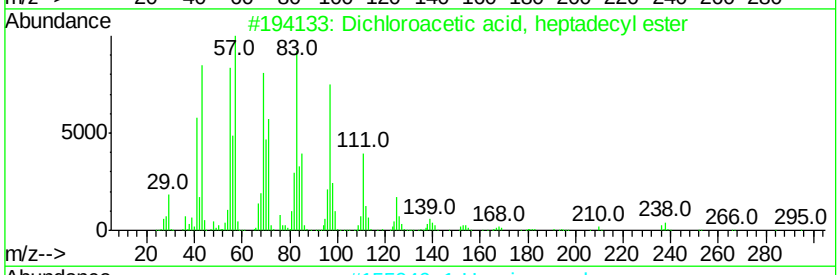
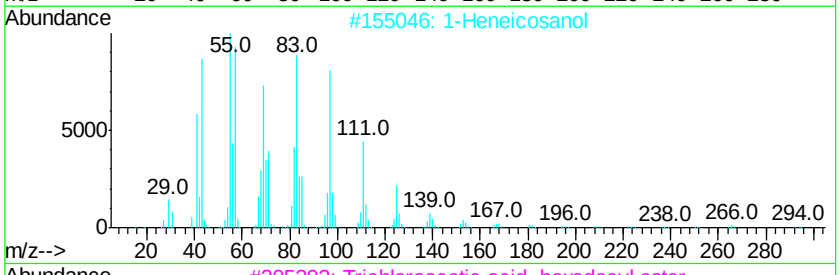
Peak Number 11 Dichloroacetic acid, heptad... Concentration Rank 7

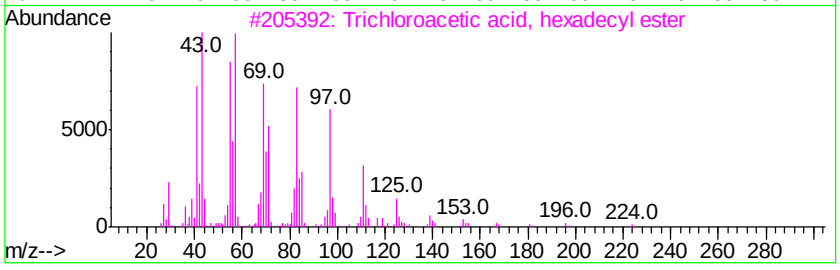
R.T.	EstConc	Area	Relative to ISTD	R.T.
13.90	3.92 ng	365890	Chrysene-d12	14.06

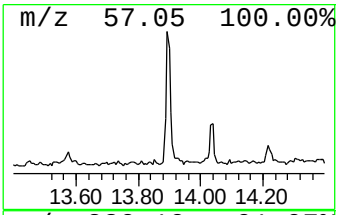
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dichloroacetic acid, heptadecyl ...	366	C19H36Cl2O2	1000282-98-2	93
2	1-Heneicosanol	312	C21H44O	015594-90-8	90
3	Trichloroacetic acid, hexadecyl ...	386	C18H33Cl3O2	074339-54-1	86
4	Trichloroacetic acid, pentadecyl...	372	C17H31Cl3O2	074339-53-0	86
5	Heptadecyl heptafluorobutyrate	452	C21H35F7O2	959085-66-6	86

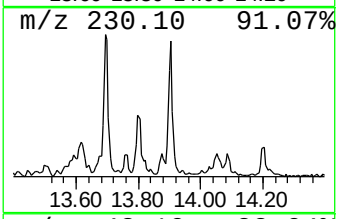


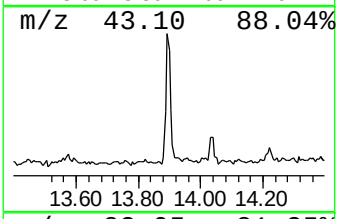


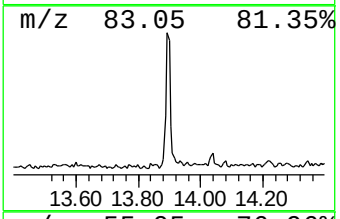


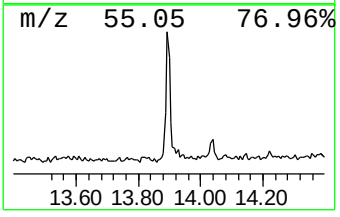












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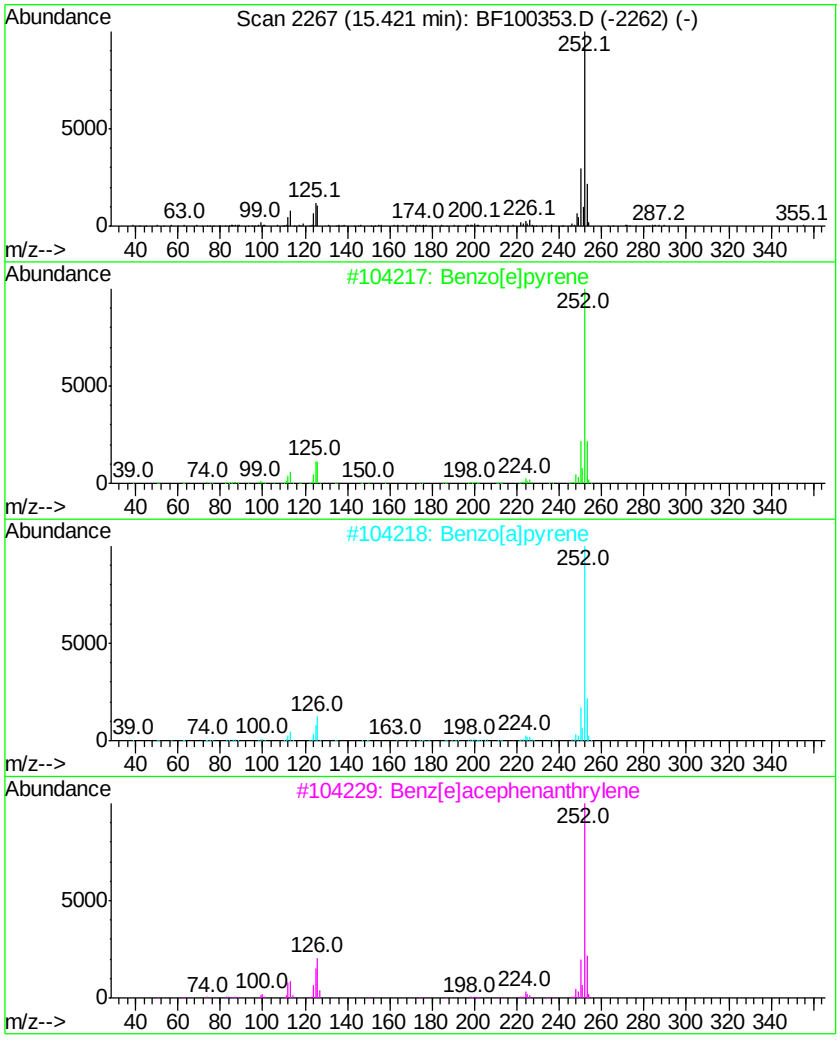
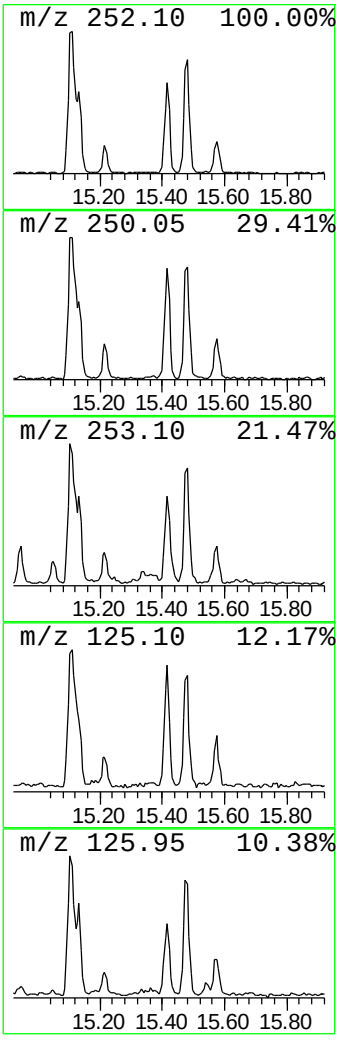
****

Peak Number 12 Benzo[e]pyrene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.42	4.54 ng	266995	Perylene-d12	15.54

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	98
2	Benzo[a]pyrene	252	C20H12	000050-32-8	94
3	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	93
4	Benzo[k]fluoranthene	252	C20H12	000207-08-9	93
5	Benzo[j]fluoranthene	252	C20H12	000205-82-3	90





Tentatively Identified Compound (LSC) summary

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TIC Integration Parameters: LSCINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
2-Pentanone, 4-hy...	5.13	12.5	ng	749534	1	6.90	1201210	20.0
unknown6.67	6.67	60.3	ng	3618550	1	6.90	1201210	20.0
2-Hydroxy-iso-but...	8.73	2.3	ng	187645	2	8.18	1664320	20.0
Benzophenone	10.65	8.2	ng	721053	3	9.94	1752110	20.0
n-Hexadecanoic acid	11.95	6.9	ng	626023	4	11.42	1823510	20.0
4H-Cyclopenta[def...	12.03	3.4	ng	309216	4	11.42	1823510	20.0
Cyclopenta(def)ph...	12.56	3.1	ng	287256	4	11.42	1823510	20.0
Octadecanoic acid	12.73	2.6	ng	235999	4	11.42	1823510	20.0
Pyrene, 1-methyl-	13.09	2.7	ng	249078	5	14.06	1866150	20.0
Dichloroacetic ac...	13.90	3.9	ng	365890	5	14.06	1866150	20.0
Benzo[e]pyrene	15.42	4.5	ng	266995	6	15.54	1176790	20.0