LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF112117\
Data File : BF100787.D
Acq On : 21 Nov 2017 18:19
Operator : SJ/JU
Sample : I6499-01
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PG1-2-E(0-1)

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	5.110	510	514	522	rBV	103249	142649	6.81%	0.397%
2	5.498	574	580	583	rBV	1849272	1911680	91.23%	5.318%
3	6.504	745	751	755	rBV	1792003	1988027	94.87%	5.531%
4	6.645	770	775	778	rBV	2020685	1956360	93.36%	5.443%
5	6.875	810	814	817	rBV	512430	462671	22.08%	1.287%
6	7.028	836	840	843	rBV	1763714	1533288	73.17%	4.266%
7	7.433	904	909	912	rBV	1153857	1226348	58.52%	3.412%
8	8.151	1027	1031	1034	rBV	709100	606613	28.95%	1.688%
9	9.227	1209	1214	1217	rBV	2327886	2095435	100.00%	5.830%
10	9.616	1277	1280	1283	rBV	172521	144063	6.88%	0.401%
11	9.769	1303	1306	1309	rBV	124926	98882	4.72%	0.275%
12	9.833	1313	1317	1319	rVB	83087	73175	3.49%	0.204%
13	9.910	1326	1330	1333	rVV	739325	626930	29.92%	1.744%
14	9.939	1333	1335	1338	rVB	131246	97044	4.63%	0.270%
15	10.110	1359	1364	1368	rVV2	72551	87549	4.18%	0.244%
16	10.327	1399	1401	1404	rVB	99470	86500	4.13%	0.241%
17	10.451	1419	1422	1428	rVB2	86229	84786	4.05%	0.236%
18	10.698	1460	1464	1467	rVB	1291992	1150278	54.89%	3.200%
19	10.804	1479	1482	1491	rVB2	105469	132280	6.31%	0.368%
20	11.004	1509	1516	1518	rBV4	38119	62018	2.96%	0.173%
21	11.127	1532	1537	1539	rBV3	40793	47490	2.27%	0.132%
22	11.151	1539	1541	1546	rVV3	44585	51797	2.47%	0.144%
23	11.198	1546	1549	1553	rVV	99050	88608	4.23%	0.247%
24	11.251	1553	1558	1561	rVV2	96858	111335	5.31%	0.310%
25	11.292	1561	1565	1569	rVB	80294	89708	4.28%	0.250%
26	11.398	1579	1583	1584	rBV	636059	589524	28.13%	1.640%
27	11.421	1584	1587	1590	rVV	1341540	1102169	52.60%	3.066%
28	11.468	1592	1595	1598	rVV	295195	238326	11.37%	0.663%
29	11.621	1615	1621	1624	rBV2	122113	131700	6.29%	0.366%
30	11.680	1628	1631	1635	rVV2	52062	80081	3.82%	0.223%
31	11.721	1635	1638	1643	rVB3	50555	55364	2.64%	0.154%
32	11.892	1662	1667	1669	rVV	188766	197053	9.40%	0.548%
33	11.921	1669	1672	1676	rVV	318697	339621	16.21%	0.945%
34	11.968	1677	1680	1683	rVV	94248	82647	3.94%	0.230%

LSC Area Percent Report

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Operator : SJ/JU
Sample : I6499-01
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PG1-2-E(0-1)

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

35	12.010	1683	1687	1689	rVV2	243112	297348	14.19%	0.827%
36	12.027	1689	1690	1694	rVB	155602	105003	5.01%	0.292%
37	12.080	1694	1699	1704	rBV5	40239	65726	3.14%	0.183%
38	12.192	1715	1718	1720	rBV	129341	119992	5.73%	0.334%
39	12.215	1720	1722	1725	rVB	122770	98214	4.69%	0.273%
40	12.445	1755	1761	1764	rBV	148546	178350	8.51%	0.496%
41	12.480	1764	1767	1769	rVV3	73911	95401	4.55%	0.265%
42	12.533	1773	1776	1780	rVB	138591	143105	6.83%	0.398%
43	12.610	1785	1789	1793	rVV	1521247	1551401	74.04%	4.316%
44	12.698	1802	1804	1807	rVV	120778	112884	5.39%	0.314%
45	12.739	1807	1811	1812	rVV3	50062	63718	3.04%	0.177%
46	12.762	1812	1815	1817	rVV	71151	85345	4.07%	0.237%
47	12.845	1822	1829	1833	rVV2	1383538	1673994	79.89%	4.657%
48	12.886	1833	1836	1840	rVB2	88061	106968	5.10%	0.298%
49	12.980	1848	1852	1858	rVB	1560285	1548709	73.91%	4.309%
50	13.051	1859	1864	1868	rBV2	122456	202548	9.67%	0.563%
51	13.139	1876	1879	1881	rBV3	106282	132075	6.30%	0.367%
52	13.162	1881	1883	1886	rVB	148350	132937	6.34%	0.370%
53	13.268	1897	1901	1904	rVV2	182385	194885	9.30%	0.542%
54	13.362	1913	1917	1919	rBV	95743	86657	4.14%	0.241%
55	13.392	1919	1922	1925	rVB2	92951	84749	4.04%	0.236%
56	13.539	1944	1947	1950	rBV4	43121	63232	3.02%	0.176%
57	13.668	1966	1969	1974	rVB	229704	216229	10.32%	0.602%
58	13.780	1983	1988	1991	rBV2	182895	240374	11.47%	0.669%
59	13.810	1991	1993	1995	rVV	154485	121088	5.78%	0.337%
60	13.833	1995	1997	2000	rVV	122234	149386	7.13%	0.416%
61	13.880	2000	2005	2011	rVB2	220691	307823	14.69%	0.856%
62	13.951	2015	2017	2023	rVB2	40226	52961	2.53%	0.147%
63	14.027	2023	2030	2034	rBV3	1044133	1621127	77.36%	4.510%
64	14.062	2034	2036	2043	rVB	880041	773042	36.89%	2.151%
65	14.139	2047	2049	2051	rBV	67728	46038	2.20%	0.128%
66	14.180	2054	2056	2060	rBV4	43188	62167	2.97%	0.173%
67	14.257	2065	2069	2072	rVV2	86430	118793	5.67%	0.330%
68	14.292	2072	2075	2077	rVB	56459	50266	2.40%	0.140%
69	14.421	2092	2097	2099	rVB	169947	177918	8.49%	0.495%
70	14.451	2099	2102	2106	rVB2	108413	106844	5.10%	0.297%
71	14.504	2106	2111	2115	rVB4	51517	103338	4.93%	0.287%

LSC Area Percent Report

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Sample : I6499-01
Misc :
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Instrument : BNA_F
ClientSampleId : PG1-2-E(0-1)

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
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Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF110817.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	14.545	2115	2118	2120	rBV	91873	90119	4.30%	0.251%
73	14.568	2120	2122	2125	rVB2	60121	52346	2.50%	0.146%
74	14.615	2127	2130	2135	rVB2	76272	104304	4.98%	0.290%
75	14.727	2145	2149	2152	rBV2	61663	84612	4.04%	0.235%
76	14.757	2152	2154	2159	rVB4	39853	46338	2.21%	0.129%
77	14.809	2159	2163	2165	rBV3	35316	47201	2.25%	0.131%
78	14.839	2166	2168	2172	rVB3	49073	52247	2.49%	0.145%
79	14.915	2176	2181	2189	rVB2	87091	176475	8.42%	0.491%
80	14.986	2189	2193	2197	rBV5	51387	81237	3.88%	0.226%
81	15.086	2204	2210	2212	rBV	841261	1294985	61.80%	3.603%
82	15.186	2224	2227	2231	rVB	174212	176980	8.45%	0.492%
83	15.274	2239	2242	2244	rBV3	56187	73988	3.53%	0.206%
84	15.386	2256	2261	2267	rVB	490391	719439	34.33%	2.002%
85	15.451	2267	2272	2277	rBV	695051	878938	41.95%	2.445%
86	15.515	2278	2283	2286	rVV	433942	600865	28.67%	1.672%
87	15.545	2286	2288	2294	rVB2	237054	292513	13.96%	0.814%
88	15.868	2341	2343	2351	rVB5	39072	56676	2.70%	0.158%
89	15.956	2353	2358	2362	rBV3	60403	91739	4.38%	0.255%
90	16.080	2375	2379	2382	rBV2	32962	48308	2.31%	0.134%
91	16.545	2454	2458	2462	rBV2	37721	62112	2.96%	0.173%
92	16.650	2472	2476	2480	rVB5	47640	68971	3.29%	0.192%
93	16.809	2497	2503	2504	rBV	38216	69471	3.32%	0.193%
94	16.998	2528	2535	2542	rVB2	330099	640557	30.57%	1.782%
95	17.068	2542	2547	2553	rVB3	57645	110899	5.29%	0.309%
96	17.174	2557	2565	2570	rBV	72357	166112	7.93%	0.462%
97	17.233	2570	2575	2580	rBV2	54761	102602	4.90%	0.285%
98	17.445	2604	2611	2623	rVB	245750	537587	25.66%	1.496%
99	17.580	2630	2634	2644	rVB9	18894	52748	2.52%	0.147%
100	17.680	2645	2651	2658	rBV	46860	101782	4.86%	0.283%

Sum of corrected areas: 35944785

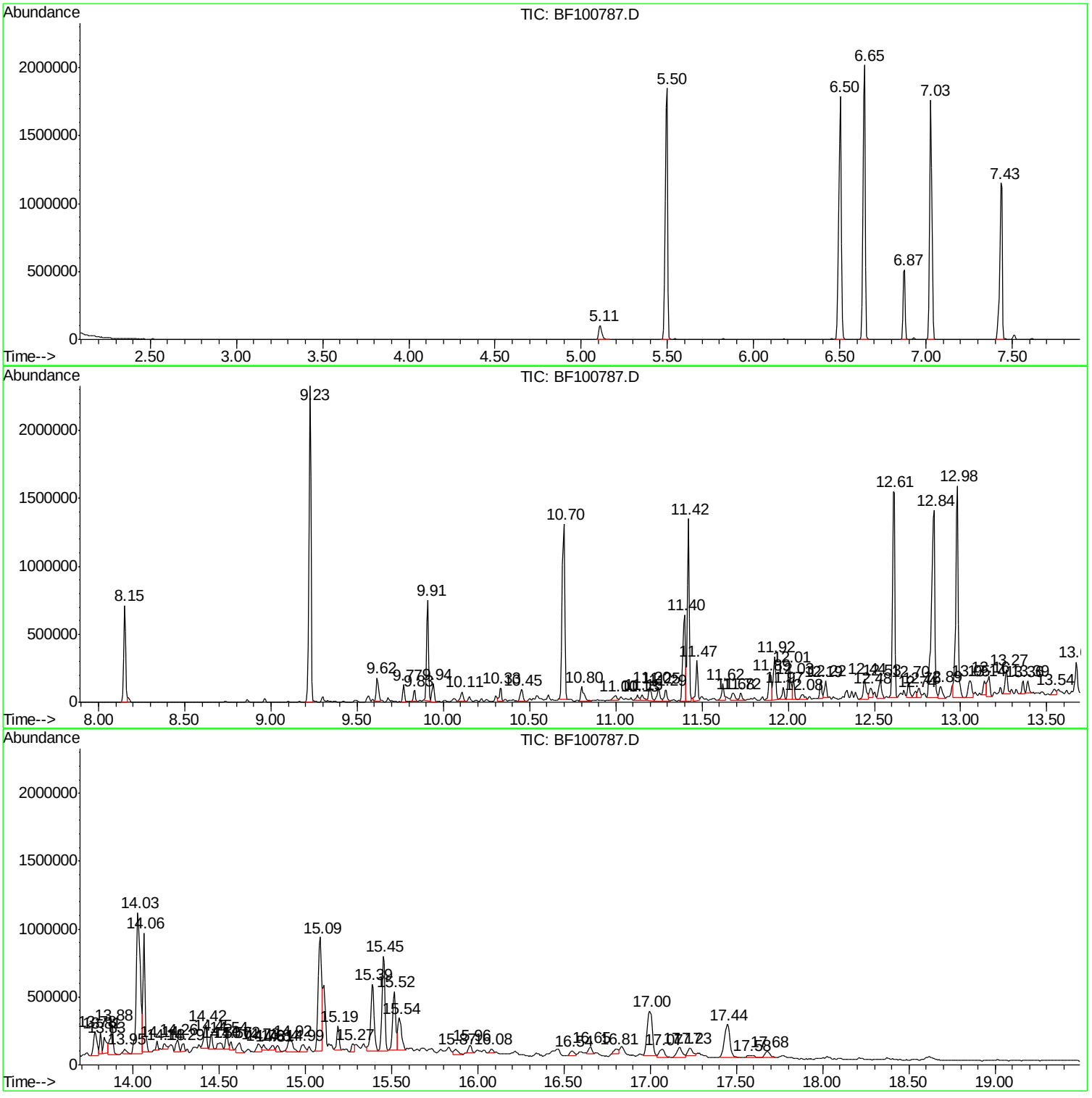
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA F\DATA\BF112117\
Data File : BF100787.D
Acq On : 21 Nov 2017 18:19
Operator : SJ/JU
Sample : I6499-01
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PG1-2-E(0-1)

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 : Z:\HPCHEM1\BNA F\DATA\BF112117\
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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

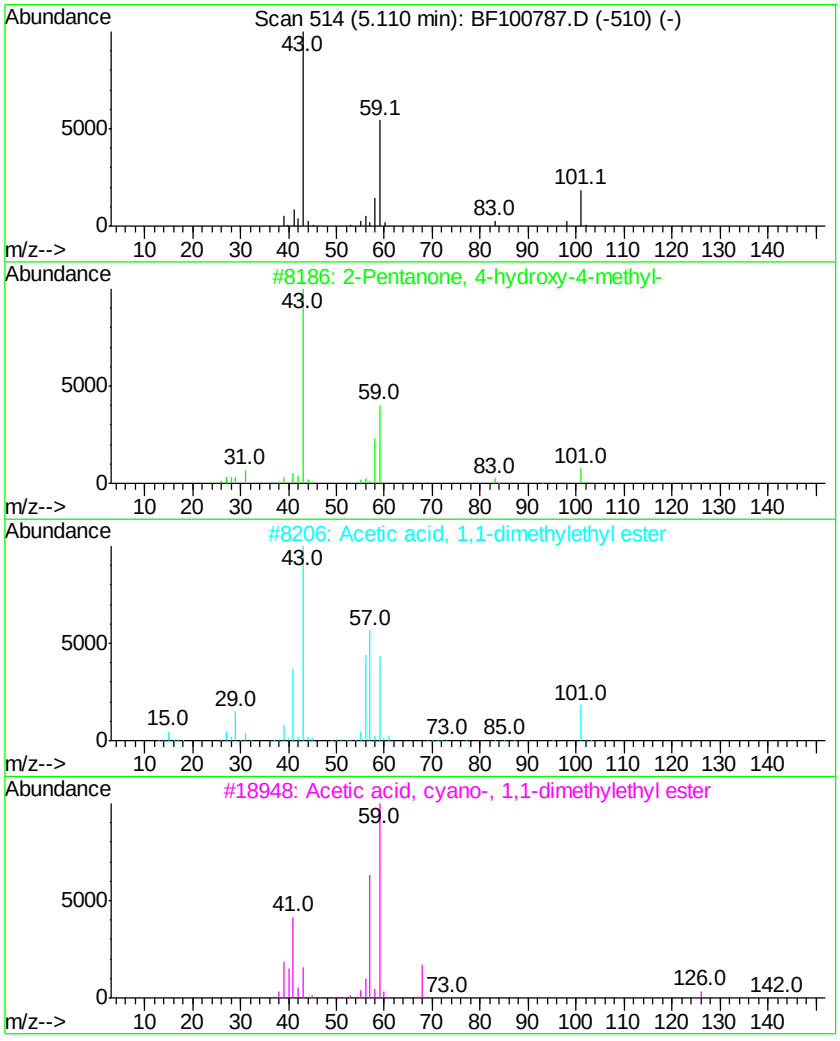
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

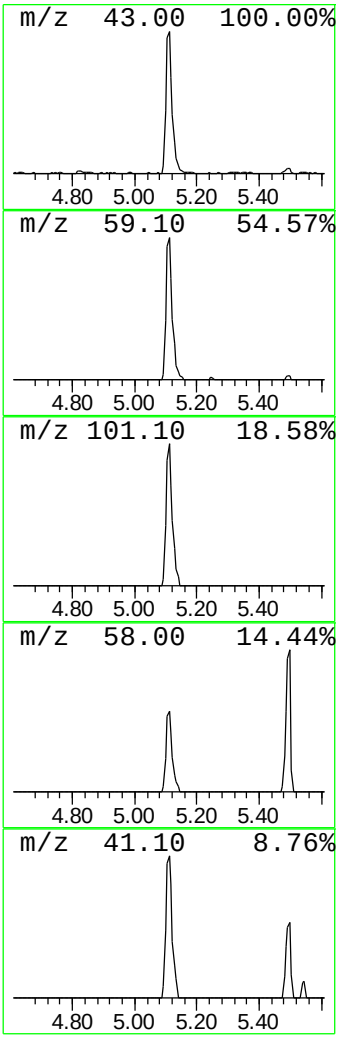
****

Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.11	6.17 ng	142649	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	45
2	Acetic acid, 1,1-dimethylethyl e...	116	C6H12O2	000540-88-5	39
3	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	23
4	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	12
5	5-Hexen-2-one	98	C6H10O	000109-49-9	9





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Instrument : BNA_F
ClientSampleId : PG1-2-E(0-1)

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

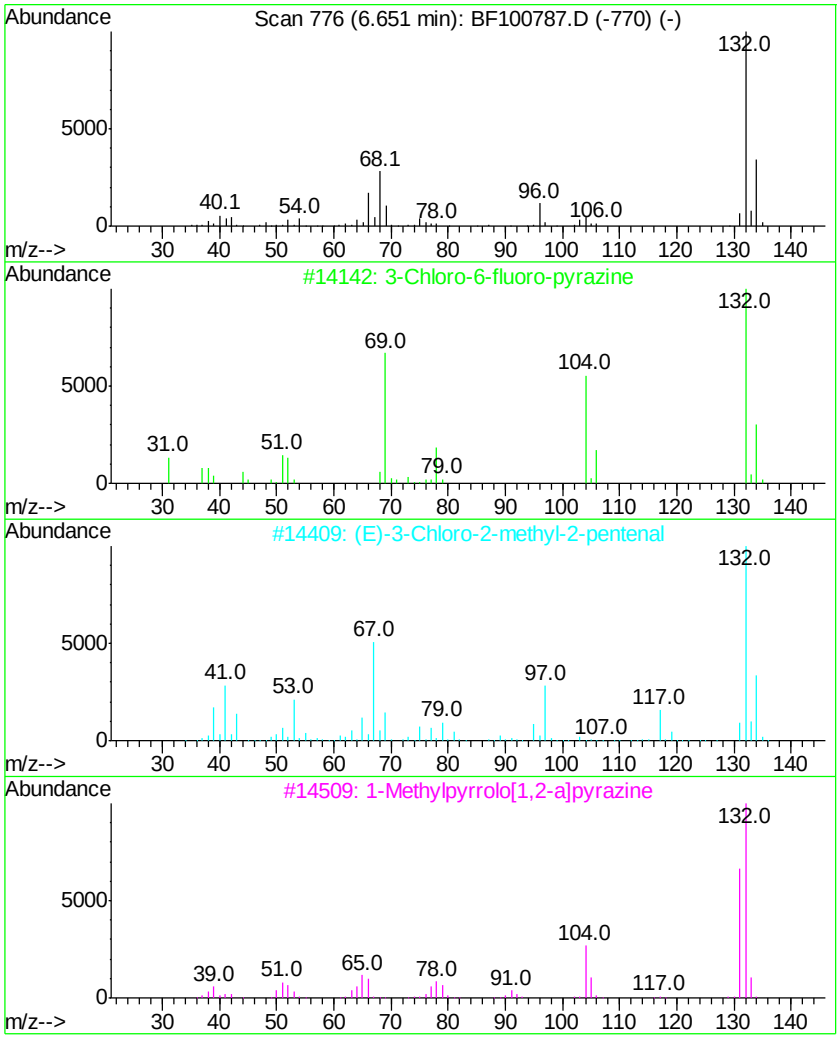
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

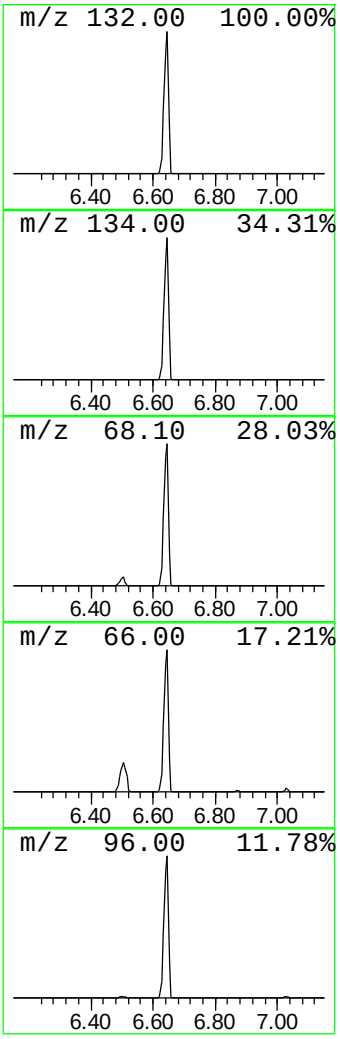
****

Peak Number 2 unknown6.65 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.65	84.57 ng	1956360	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	27
2	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	17
3	1-Methylpyrrolo[1,2-a]pyrazine	132	C8H8N2	064608-59-9	9
4	2H-Cyclopenta[d]pyridazine, 2-me...	132	C8H8N2	022291-85-6	9
5	4-Chloro-2-fluoro-pyrimidine	132	C4H2ClFN2	051422-00-5	9





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ClientSampleId : PG1-2-E(0-1)

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TIC Library : C:\DATABASE\NIST11.L
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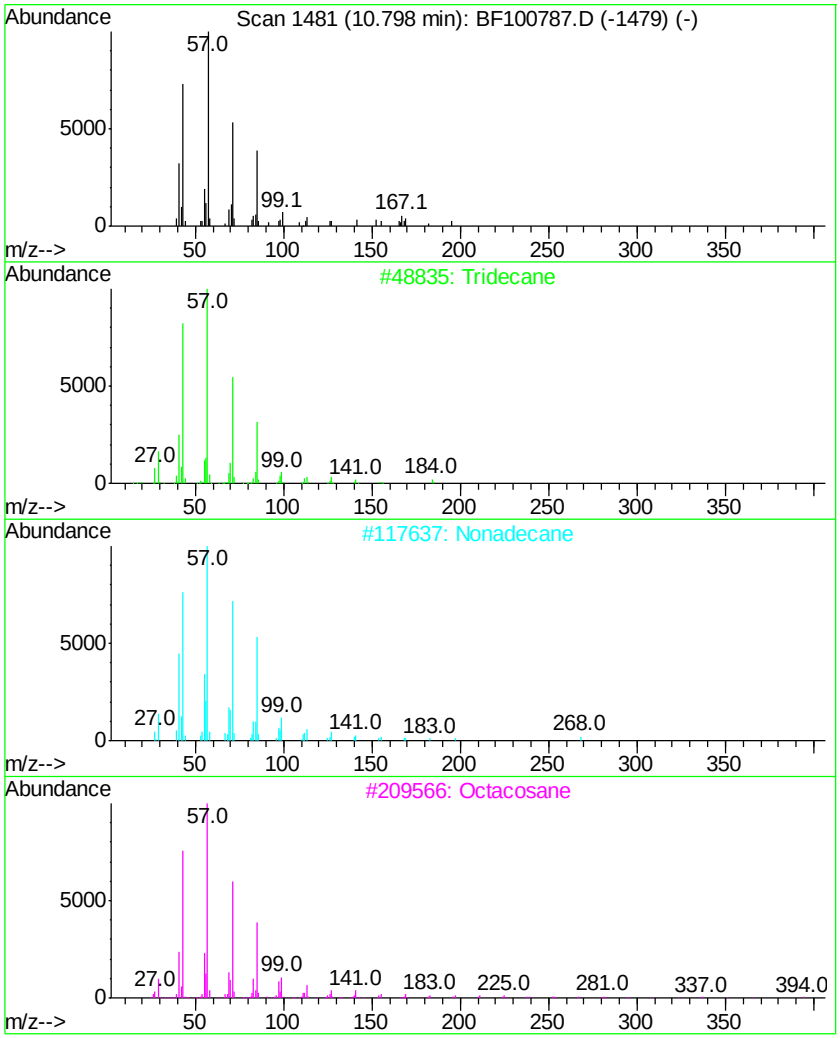
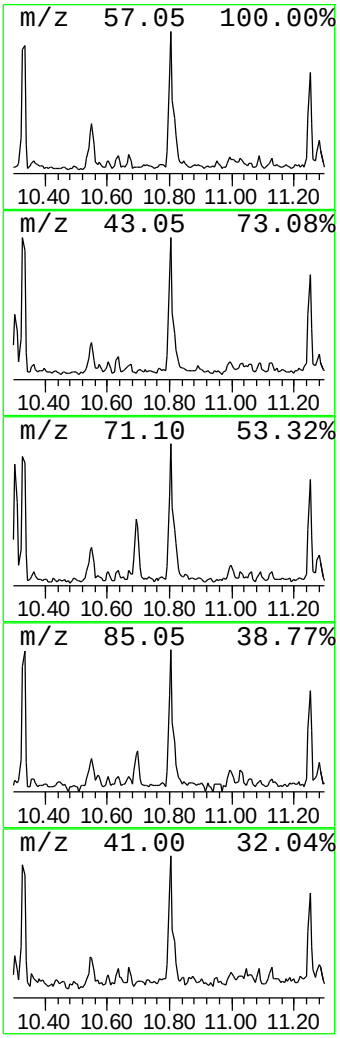
Peak Number 4 Tridecane Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.80	4.49 ng	132280	Phenanthrene-d10	11.40

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecane	184	C13H28	000629-50-5	93
2	Nonadecane	268	C19H40	000629-92-5	90
3	Octacosane	394	C28H58	000630-02-4	86
4	Hexadecane	226	C16H34	000544-76-3	86
5	Dodecane, 2-methyl-6-propyl-	226	C16H34	055045-08-4	86





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Instrument : BNA_F
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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF110817.M
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TIC Library : C:\DATABASE\NIST11.L
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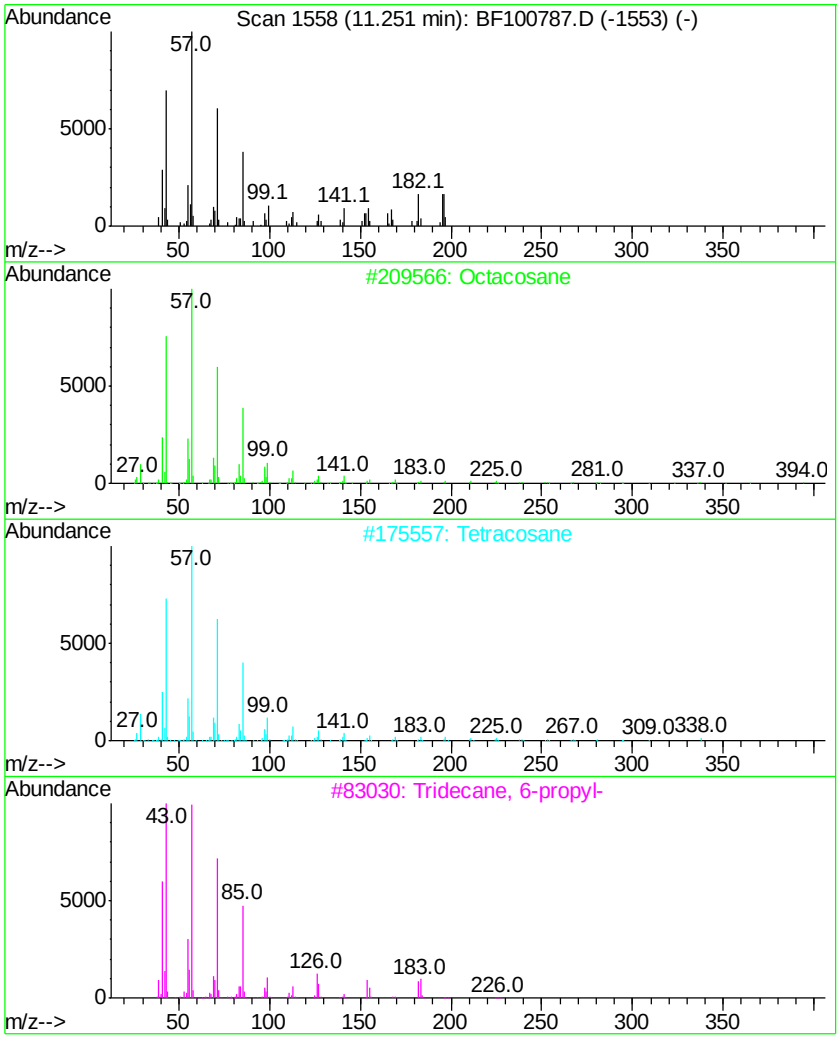
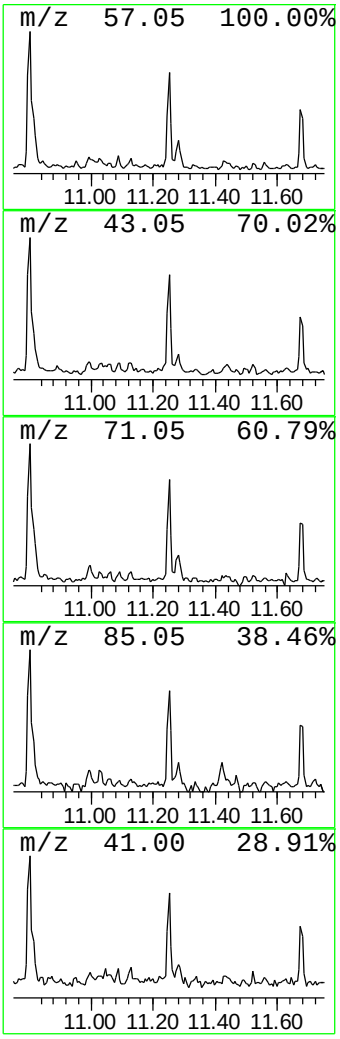
Peak Number 5 Octacosane Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.25	3.78 ng	111335	Phenanthrene-d10	11.40

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octacosane	394	C28H58	000630-02-4	62
2	Tetracosane	338	C24H50	000646-31-1	58
3	Tridecane, 6-propyl-	226	C16H34	055045-10-8	53
4	Tridecane, 1-iodo-	310	C13H27I	035599-77-0	52
5	Octadecane	254	C18H38	000593-45-3	52





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Operator : SJ/JU
Sample : I6499-01
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PG1-2-E(0-1)

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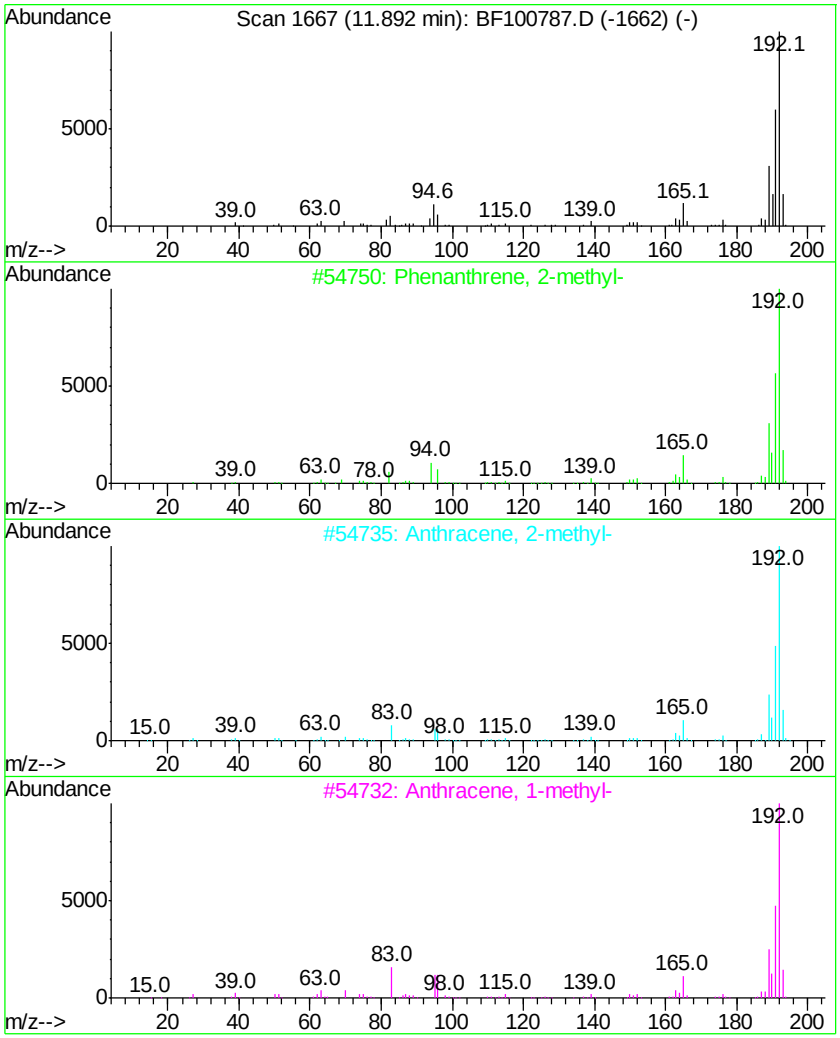
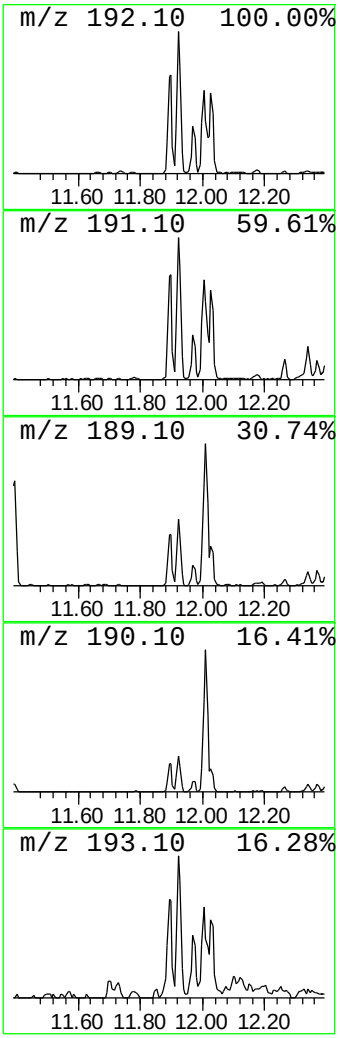
Peak Number 6 Phenanthrene, 2-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.89	6.69 ng	197053	Phenanthrene-d10	11.40

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	93
3	Anthracene, 1-methyl-	192	C15H12	000610-48-0	91
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	90
5	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	90





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Data File : BF100787.D
Acq On : 21 Nov 2017 18:19
Operator : SJ/JU
Sample : I6499-01
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PG1-2-E(0-1)

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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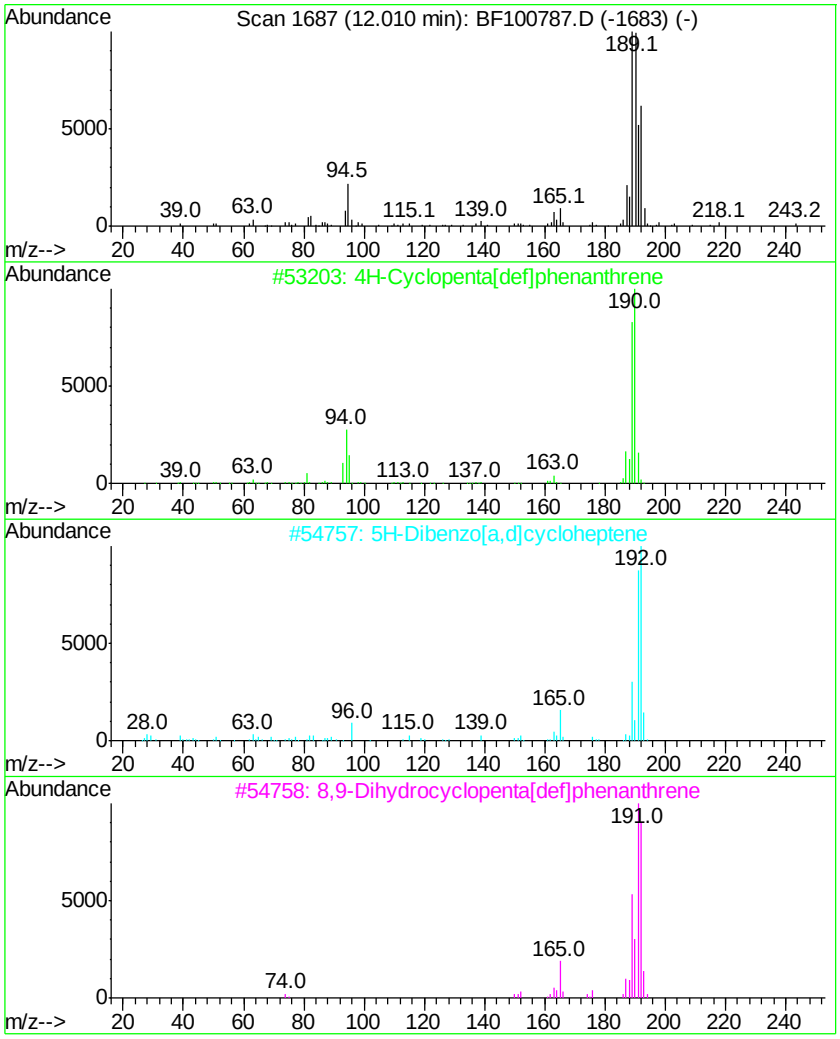
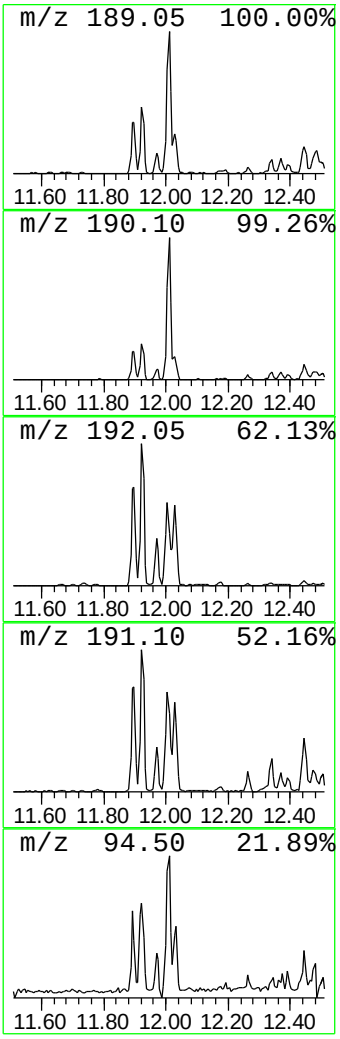
Peak Number 8 4H-Cyclopenta[def]phenanthrene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.01	10.09 ng	297348	Phenanthrene-d10	11.40

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	64
2	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	38
3	8,9-Dihydrocyclopenta[def]phenan...	192	C15H12	027410-55-5	35
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	25
5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	18





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Operator : SJ/JU
Sample : I6499-01
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PG1-2-E(0-1)

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

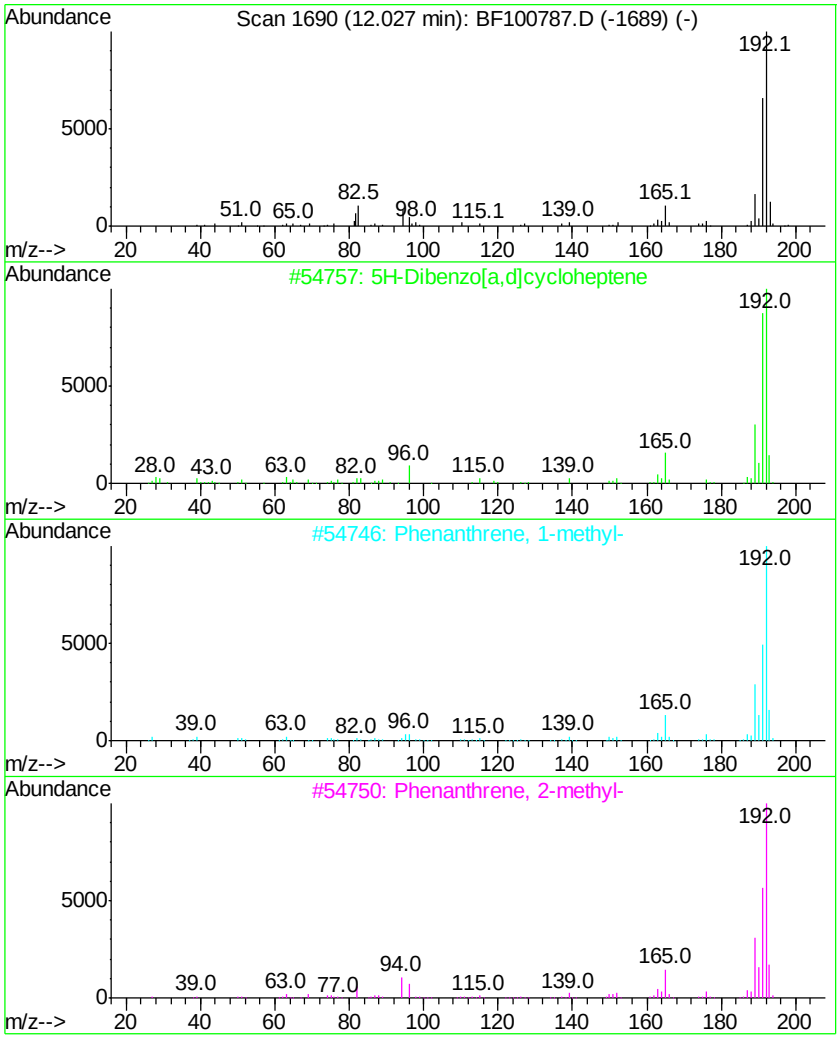
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

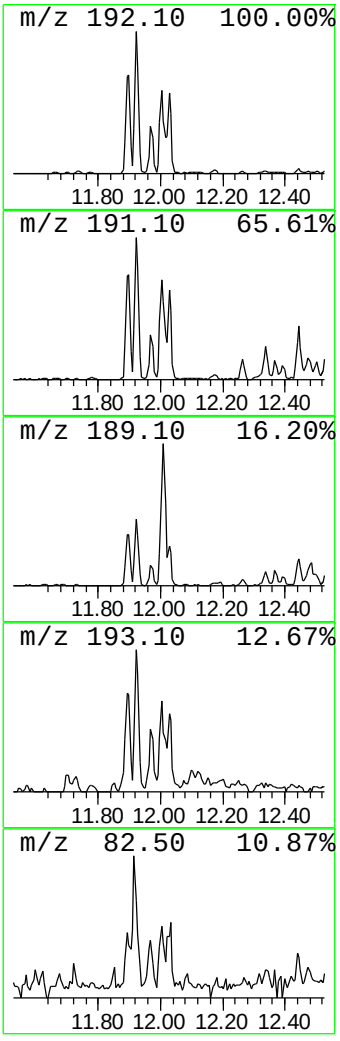
****

Peak Number 9 5H-Dibenzo[a,d]cycloheptene Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.03	3.56 ng	105003	Phenanthrene-d10	11.40

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	87
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	87
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	87
4	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	83
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	81





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Operator : SJ/JU
Sample : I6499-01
Misc :
ALS Vial : 17 Sample Multiplier: 1

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ClientSampleId : PG1-2-E(0-1)

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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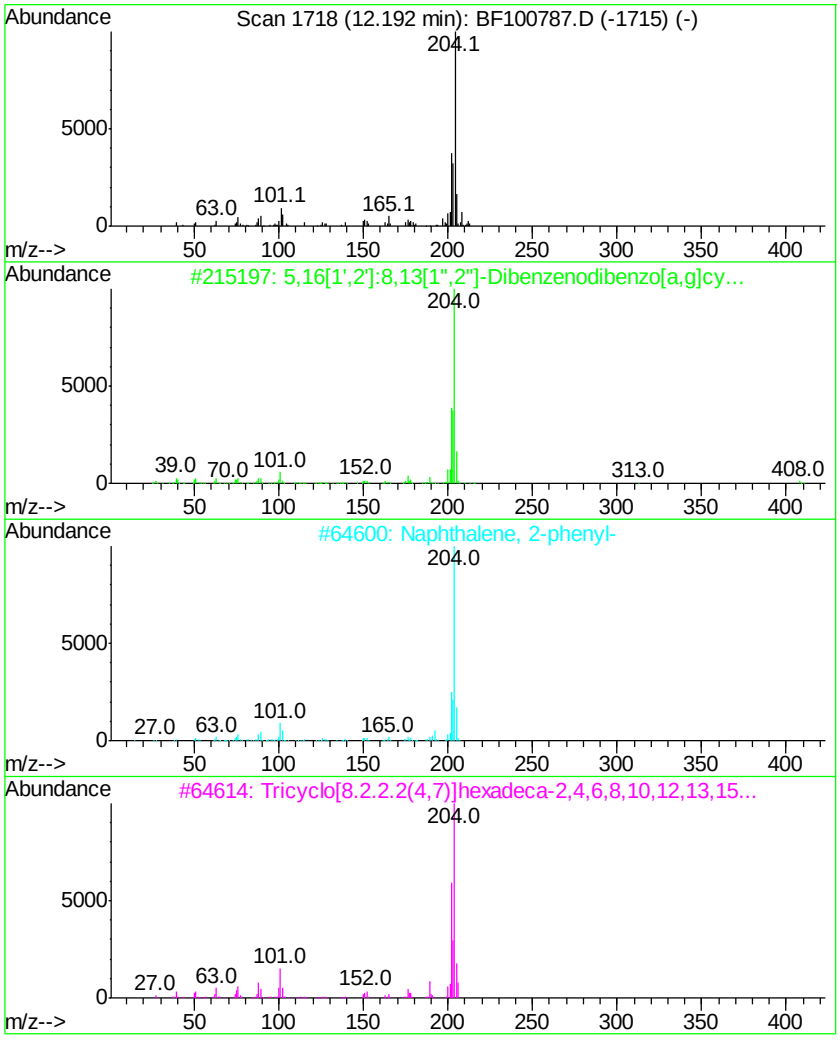
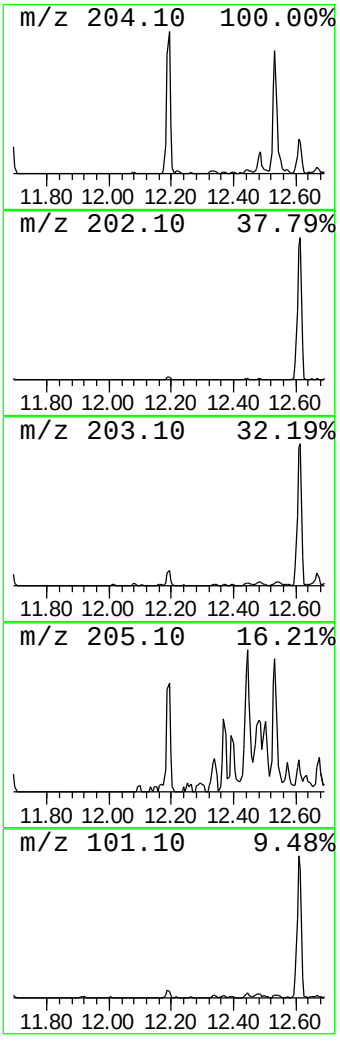
Peak Number 10 5,16[1',2']:8,13[1'',2'']-D... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.19	4.07 ng	119992	Phenanthrene-d10	11.40

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	91
2	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	89
3	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	64
4	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	62
5	[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	60





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Sample : I6499-01
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ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PG1-2-E(0-1)

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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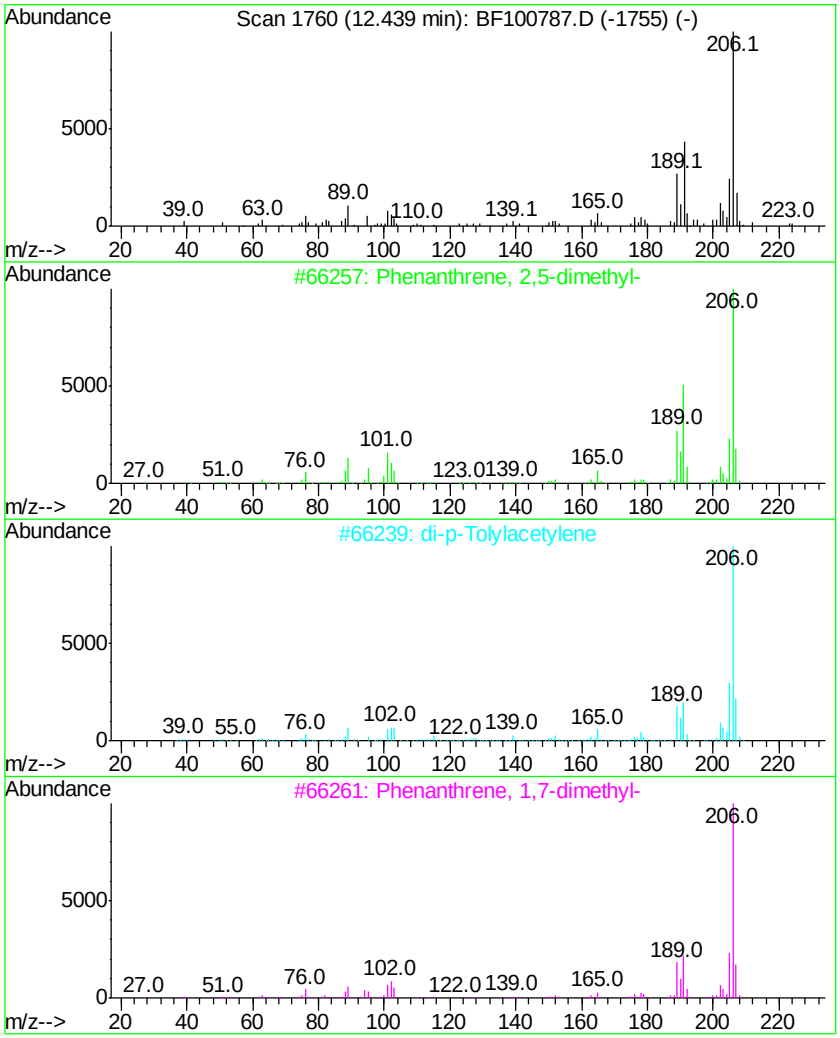
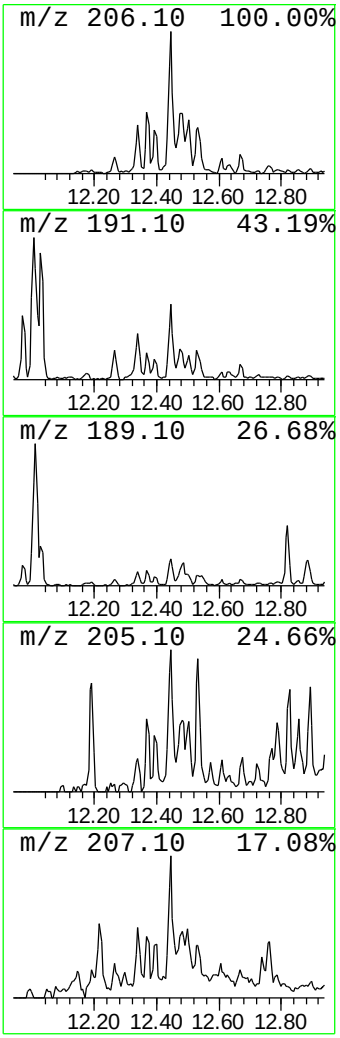
Peak Number 11 Phenanthrene, 2,5-dimethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.44	6.05 ng	178350	Phenanthrene-d10	11.40

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	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	93
4	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	93
5	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	93





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Operator : SJ/JU
Sample : I6499-01
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PG1-2-E(0-1)

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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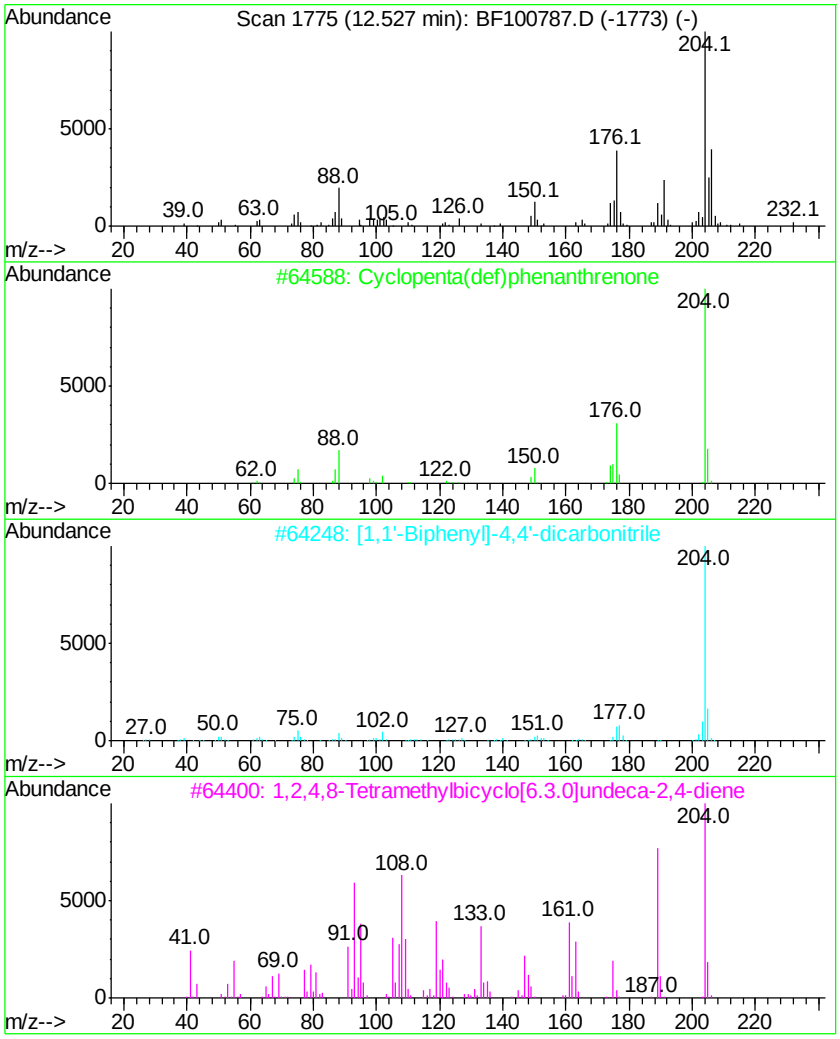
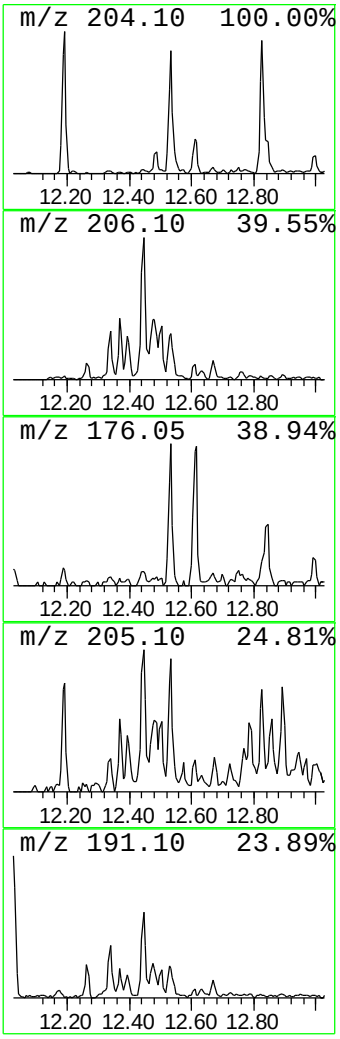
Peak Number 12 Cyclopenta(def)phenanthrenone Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.53	4.85 ng	143105	Phenanthrene-d10	11.40

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	94
2	[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	58
3	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	49
4	[1,1'-Biphenyl]-4-ol, 4'-chloro-	204	C12H9ClO	028034-99-3	49
5	[1,1'-Biphenyl]-2,2'-dicarbonitrile	204	C14H8N2	004341-02-0	47





Library Search Compound Report

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Data File : BF100787.D
Acq On : 21 Nov 2017 18:19
Operator : SJ/JU
Sample : I6499-01
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PG1-2-E(0-1)

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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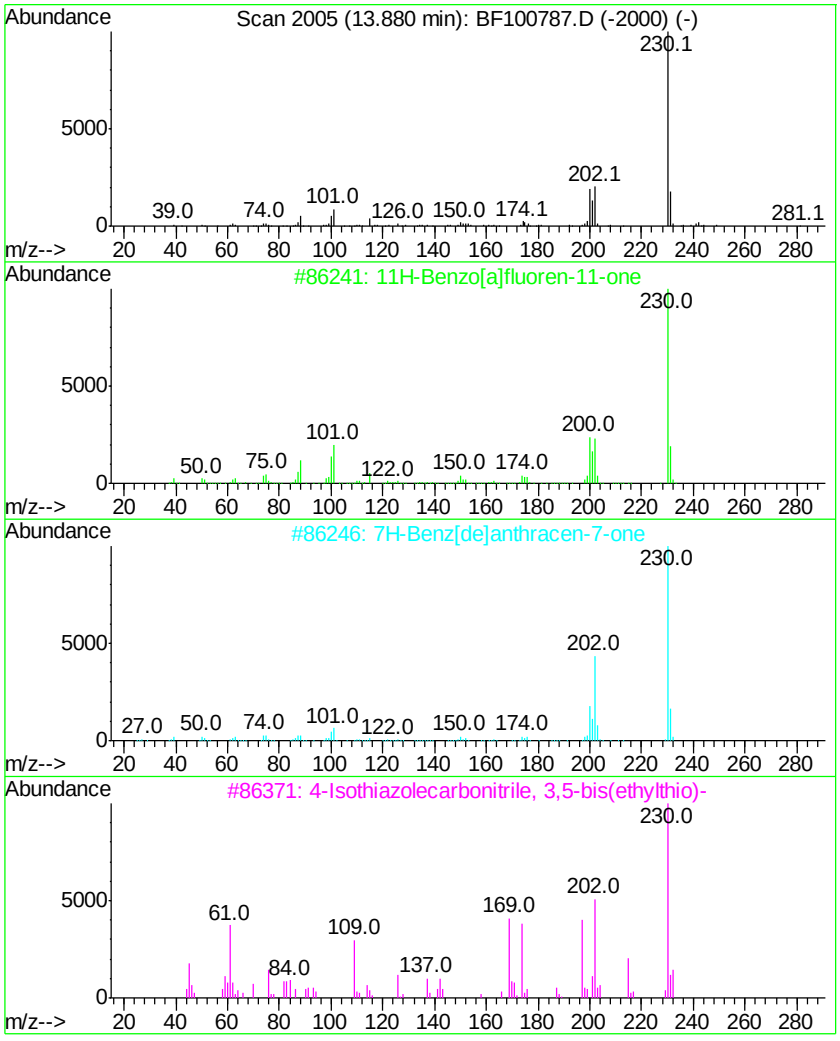
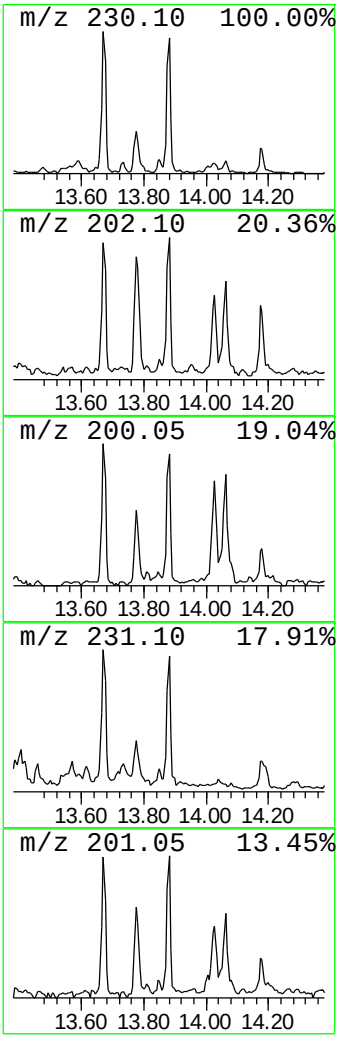
Peak Number 14 11H-Benzo[a]fluoren-11-one Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.88	3.80 ng	307823	Chrysene-d12	14.04

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluoren-11-one	230	C17H10O	000479-79-8	94
2	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	91
3	4-Isothiazolecarbonitrile, 3,5-b...	230	C8H10N2S3	024135-13-5	59
4	o-Terphenyl	230	C18H14	000084-15-1	53
5	1-Pyrenecarboxaldehyde	230	C17H10O	003029-19-4	50





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Sample : I6499-01
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PG1-2-E(0-1)

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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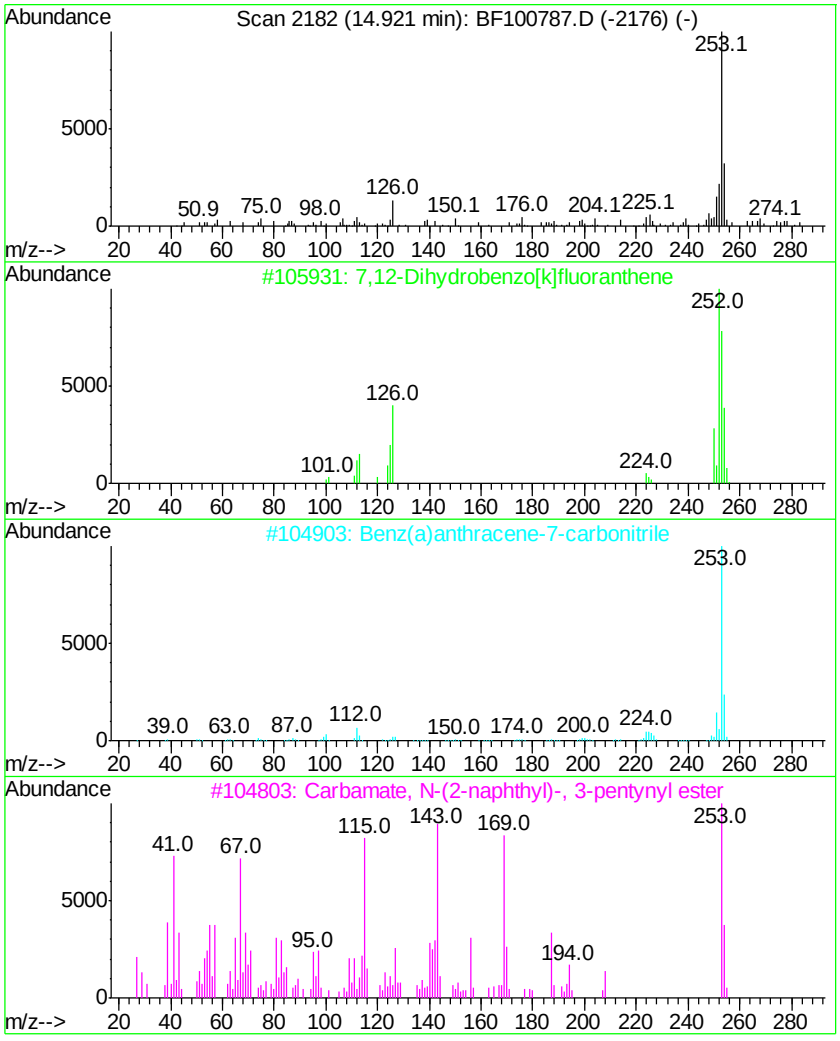
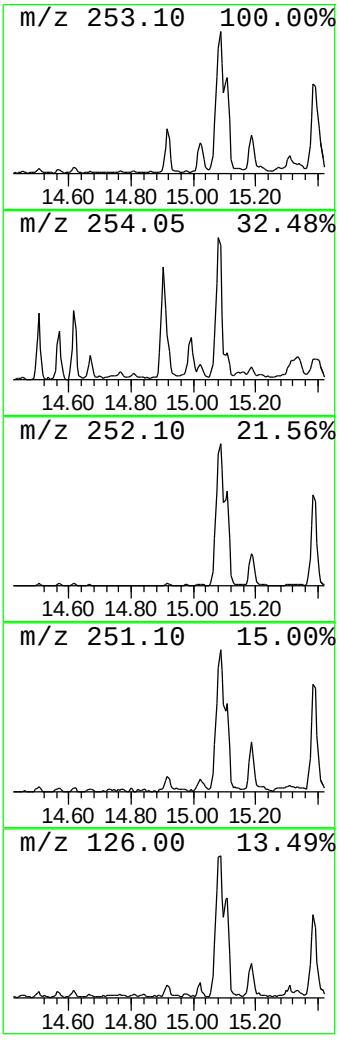
Peak Number 15 7,12-Dihydrobenzo[k]fluoran... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.92	5.87 ng	176475	Perylene-d12	15.52

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	7,12-Dihydrobenzo[k]fluoranthene	254	C20H14	1000080-17-7	64
2	Benz(a)anthracene-7-carbonitrile	253	C19H11N	007476-08-6	60
3	Carbamate, N-(2-naphthyl)-, 3-pe...	253	C16H15NO2	1000197-96-0	50
4	Imidazole, 2-iodo-5-methyl-4-nitro-	253	C4H4IN3O2	149510-86-1	46
5	9H-Fluorene, 9-(phenylmethylene)-	254	C20H14	001836-87-9	38





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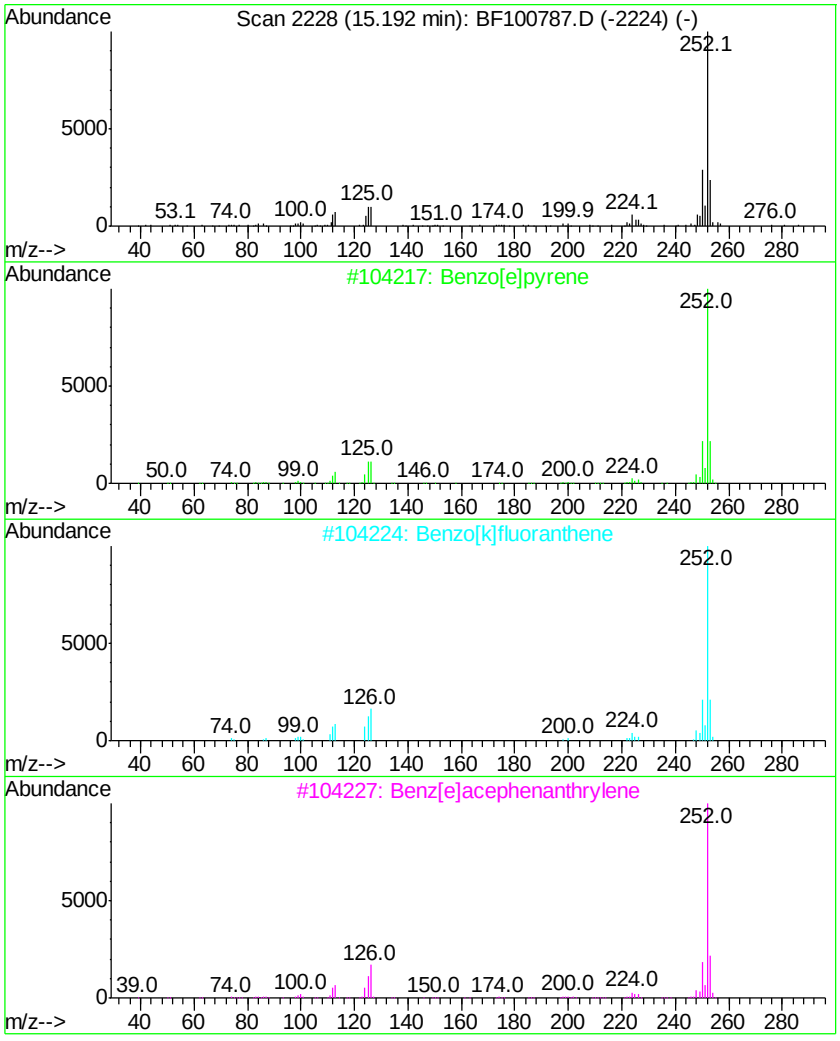
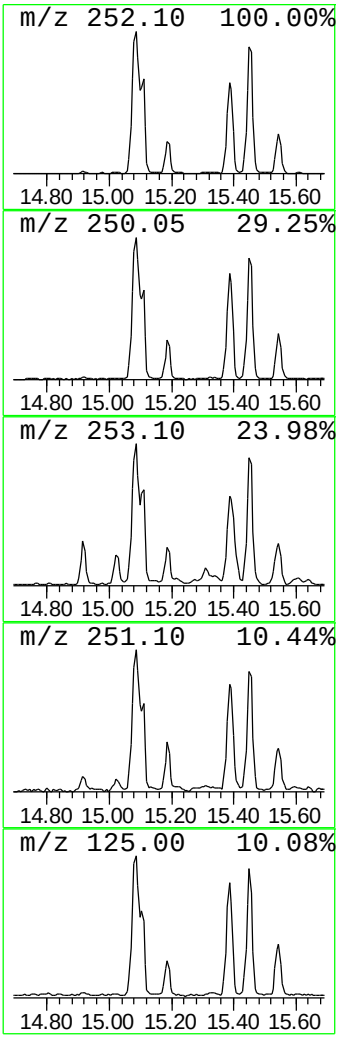
Peak Number 16 Benzo[e]pyrene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.19	5.89 ng	176980	Perylene-d12	15.52

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	98
2	Benzo[k]fluoranthene	252	C20H12	000207-08-9	97
3	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	93
4	Benzo[a]pyrene	252	C20H12	000050-32-8	91
5	Perylene	252	C20H12	000198-55-0	87





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ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PG1-2-E(0-1)

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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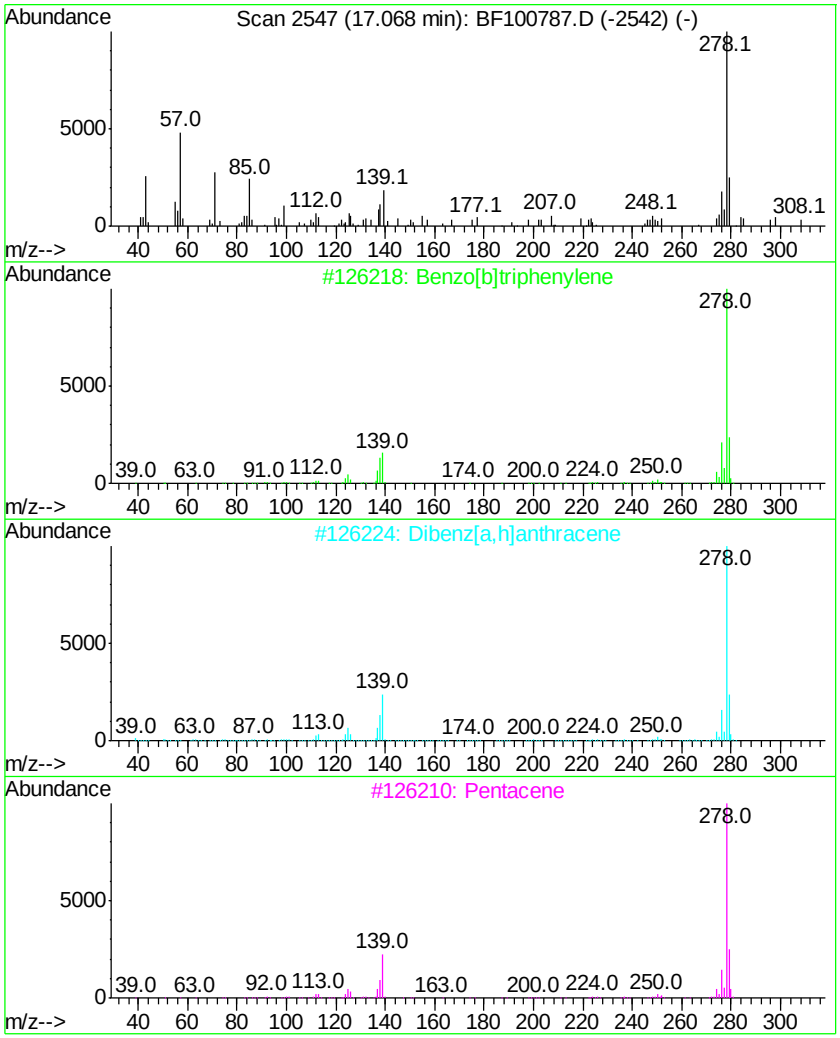
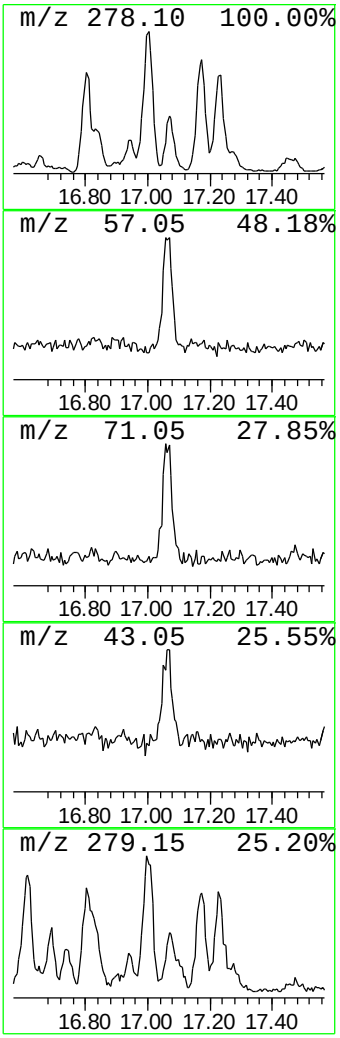
Peak Number 18 Benzo[b]triphenylene Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.07	3.69 ng	110899	Perylene-d12	15.52

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]triphenylene	278	C22H14	000215-58-7	76
2	Dibenz[a,h]anthracene	278	C22H14	000053-70-3	70
3	Pentacene	278	C22H14	000135-48-8	70
4	Picene	278	C22H14	000213-46-7	68
5	Vanadium, (.eta.5-2,4-cyclopenta...	278	C17H23V	126948-97-8	64





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Sample : I6499-01
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PG1-2-E(0-1)

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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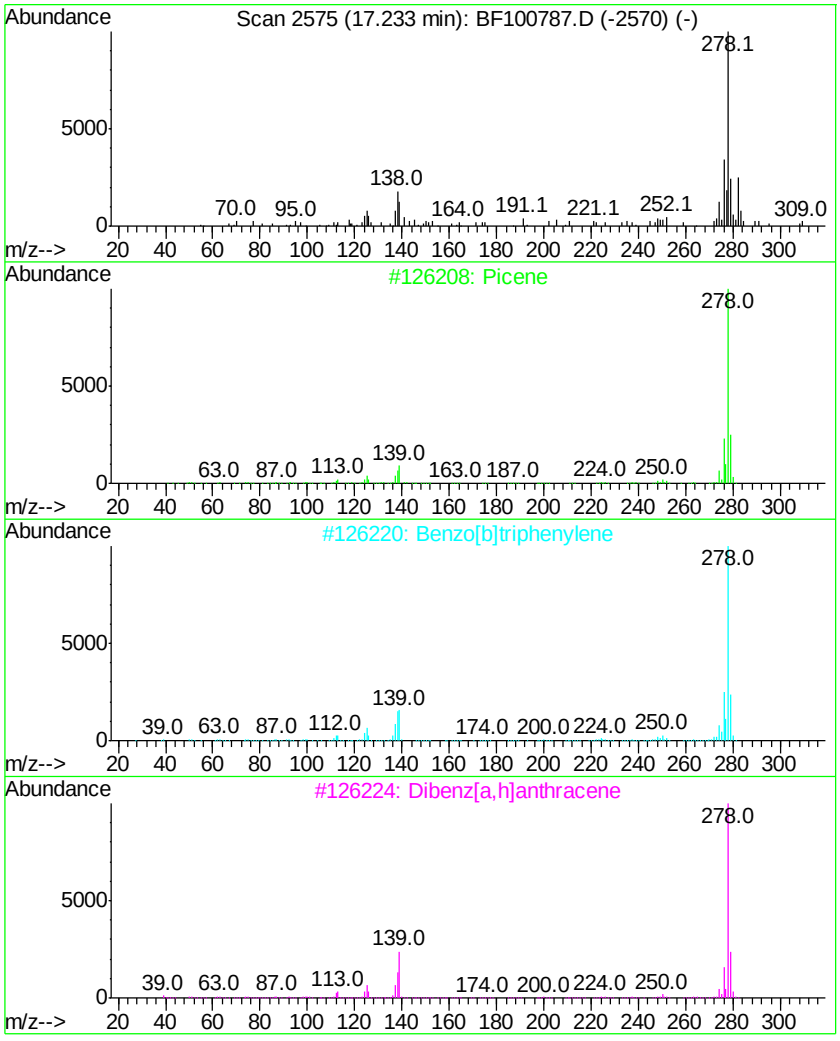
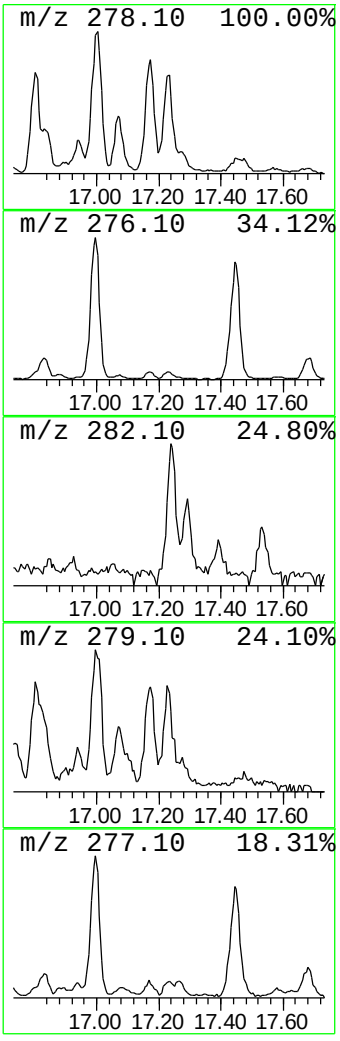
Peak Number 20 Picene Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.23	3.42 ng	102602	Perylene-d12	15.52

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Picene	278	C22H14	000213-46-7	60
2	Benzo[b]triphenylene	278	C22H14	000215-58-7	60
3	Dibenz[a,h]anthracene	278	C22H14	000053-70-3	60
4	Benzo[b]chrysene	278	C22H14	000214-17-5	60
5	Pentacene	278	C22H14	000135-48-8	52





Tentatively Identified Compound (LSC) summary

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Data File : BF100787.D
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Operator : SJ/JU
Sample : I6499-01
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PG1-2-E(0-1)

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

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
2-Pentanone, 4-hy...	5.11	6.2	ng	142649	1	6.87	462671	20.0
unknown6.65	6.65	84.6	ng	1956360	1	6.87	462671	20.0
Tridecane	10.80	4.5	ng	132280	4	11.40	589524	20.0
Octacosane	11.25	3.8	ng	111335	4	11.40	589524	20.0
Phenanthrene, 2-m...	11.89	6.7	ng	197053	4	11.40	589524	20.0
4H-Cyclopenta[def...	12.01	10.1	ng	297348	4	11.40	589524	20.0
5H-Dibenzo[a,d]cy...	12.03	3.6	ng	105003	4	11.40	589524	20.0
5,16[1',2']:8,13[...	12.19	4.1	ng	119992	4	11.40	589524	20.0
Phenanthrene, 2,5...	12.44	6.0	ng	178350	4	11.40	589524	20.0
Cyclopenta(def)ph...	12.53	4.8	ng	143105	4	11.40	589524	20.0
11H-Benzo[a]fluor...	13.88	3.8	ng	307823	5	14.04	1621130	20.0
7,12-Dihydrobenzo...	14.92	5.9	ng	176475	6	15.52	600865	20.0
Benzo[e]pyrene	15.19	5.9	ng	176980	6	15.52	600865	20.0
Benzo[b]triphenylene	17.07	3.7	ng	110899	6	15.52	600865	20.0
Picene	17.23	3.4	ng	102602	6	15.52	600865	20.0