LSC Area Percent Report

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF110217\
Data File : BF100095.D
Acq On : 2 Nov 2017 19:55
Operator : SJ/JU
Sample : I6233-03
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-3(6-8)

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-BF102317.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	4.987	490	493	510	rBV	170564	282628	13.36%	1.048%
2	5.392	559	562	584	rBV	1496588	1712328	80.94%	6.351%
3	6.416	733	736	754	rBV	1499996	1746813	82.57%	6.479%
4	6.545	754	758	765	rVB	1881195	1810604	85.59%	6.716%
5	6.769	793	796	805	rBV	536301	474933	22.45%	1.762%
6	6.922	818	822	837	rBV	1567634	1453441	68.70%	5.391%
7	7.339	889	893	910	rBV	1088952	1086416	51.35%	4.030%
8	8.051	1010	1014	1027	rBV	724148	649240	30.69%	2.408%
9	9.127	1192	1197	1200	rBV	2237927	2115505	100.00%	7.847%
10	9.522	1261	1264	1272	rVB	336796	266355	12.59%	0.988%
11	9.669	1286	1289	1294	rBV	110375	92444	4.37%	0.343%
12	9.804	1308	1312	1316	rBV	828817	687887	32.52%	2.551%
13	10.221	1376	1383	1386	rBV3	29032	30488	1.44%	0.113%
14	10.357	1403	1406	1413	rVB	27625	32872	1.55%	0.122%
15	10.521	1430	1434	1442	rVB2	73932	70993	3.36%	0.263%
16	10.604	1442	1448	1460	rBV	1092634	1121014	52.99%	4.158%
17	10.692	1460	1463	1466	rBV	31074	31810	1.50%	0.118%
18	10.904	1490	1499	1502	rBV	41678	54387	2.57%	0.202%
19	11.027	1516	1520	1522	rBV3	21744	25384	1.20%	0.094%
20	11.051	1522	1524	1530	rVB3	23334	24999	1.18%	0.093%
21	11.139	1537	1539	1543	rBV2	40245	36627	1.73%	0.136%
22	11.192	1546	1548	1552	rVB	33656	31745	1.50%	0.118%
23	11.298	1562	1566	1568	rBV	748611	659842	31.19%	2.447%
24	11.321	1568	1570	1574	rVB	697761	535786	25.33%	1.987%
25	11.374	1576	1579	1583	rBV	243407	199490	9.43%	0.740%
26	11.545	1604	1608	1610	rBV2	31739	37310	1.76%	0.138%
27	11.627	1617	1622	1628	rBV2	28845	49594	2.34%	0.184%
28	11.710	1633	1636	1641	rVB2	20860	25009	1.18%	0.093%
29	11.798	1648	1651	1652	rBV	178129	138628	6.55%	0.514%
30	11.827	1652	1656	1662	rVV2	249324	346993	16.40%	1.287%
31	11.880	1662	1665	1667	rVV	100781	95997	4.54%	0.356%
32	11.910	1667	1670	1673	rVV	245434	278129	13.15%	1.032%
33	11.933	1673	1674	1679	rVB	116591	76174	3.60%	0.283%
34	12.092	1698	1701	1705	rVB	121397	101474	4.80%	0.376%

LSC Area Percent Report

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF110217\
Data File : BF100095.D
Acq On : 2 Nov 2017 19:55
Operator : SJ/JU
Sample : I6233-03
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-3(6-8)

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-BF102317.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	12.145	1708	1710	1715	rVB4	27121	28768	1.36%	0.107%
36	12.274	1730	1732	1734	rBV	50426	34663	1.64%	0.129%
37	12.304	1734	1737	1739	rVB	34046	29812	1.41%	0.111%
38	12.351	1741	1745	1747	rBV	113500	122339	5.78%	0.454%
39	12.386	1747	1751	1753	rVV2	43742	50707	2.40%	0.188%
40	12.410	1753	1755	1757	rVB	38423	29995	1.42%	0.111%
41	12.433	1757	1759	1761	rBV	39272	39399	1.86%	0.146%
42	12.515	1769	1773	1777	rBV	1219525	1067392	50.46%	3.959%
43	12.610	1787	1789	1795	rVB	117338	130195	6.15%	0.483%
44	12.668	1795	1799	1801	rBV	65354	63354	2.99%	0.235%
45	12.727	1805	1809	1810	rVV	173265	178943	8.46%	0.664%
46	12.745	1810	1812	1818	rVV	934630	855956	40.46%	3.175%
47	12.798	1818	1821	1824	rVB2	61179	65671	3.10%	0.244%
48	12.880	1830	1835	1838	rBV	1700023	1564603	73.96%	5.803%
49	12.921	1838	1842	1845	rVB	32230	35259	1.67%	0.131%
50	12.968	1845	1850	1855	rVB3	79700	134472	6.36%	0.499%
51	13.010	1855	1857	1860	rBV4	24820	24226	1.15%	0.090%
52	13.051	1860	1864	1866	rBV2	63517	93934	4.44%	0.348%
53	13.074	1866	1868	1873	rVB	254813	221286	10.46%	0.821%
54	13.139	1876	1879	1882	rVB	225072	175510	8.30%	0.651%
55	13.180	1882	1886	1889	rBV2	103611	113428	5.36%	0.421%
56	13.274	1899	1902	1904	rBV	60874	58321	2.76%	0.216%
57	13.304	1904	1907	1911	rVV2	73494	73613	3.48%	0.273%
58	13.374	1916	1919	1924	rBV4	14572	29298	1.38%	0.109%
59	13.474	1933	1936	1938	rBV2	27875	25332	1.20%	0.094%
60	13.498	1938	1940	1946	rVB4	34546	43475	2.06%	0.161%
61	13.557	1946	1950	1953	rBV3	46373	64938	3.07%	0.241%
62	13.598	1953	1957	1960	rVB5	21991	31808	1.50%	0.118%
63	13.698	1972	1974	1976	rBV	68109	66708	3.15%	0.247%
64	13.715	1976	1977	1980	rVV	79081	64213	3.04%	0.238%
65	13.757	1980	1984	1991	rVB4	104618	167230	7.90%	0.620%
66	13.809	1991	1993	1998	rVB	40881	46611	2.20%	0.173%
67	13.868	1998	2003	2006	rBV2	39351	72381	3.42%	0.268%
68	13.945	2010	2016	2019	rBV2	657654	1038681	49.10%	3.853%
69	13.974	2019	2021	2028	rVB	449204	395540	18.70%	1.467%
70	14.057	2032	2035	2037	rVB	56643	44936	2.12%	0.167%
71	14.115	2042	2045	2049	rVB2	58201	59809	2.83%	0.222%

LSC Area Percent Report

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Data File : BF100095.D
Acq On : 2 Nov 2017 19:55
Operator : SJ/JU
Sample : I6233-03
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-3(6-8)

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-BF102317.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	14.156	2049	2052	2053	rBV	32773	28997	1.37%	0.108%
73	14.298	2074	2076	2078	rBV	28755	24042	1.14%	0.089%
74	14.339	2078	2083	2086	rVV	117550	165573	7.83%	0.614%
75	14.368	2086	2088	2091	rVV	57274	68784	3.25%	0.255%
76	14.409	2092	2095	2097	rVV3	45674	56876	2.69%	0.211%
77	14.439	2097	2100	2102	rVV2	56601	63700	3.01%	0.236%
78	14.462	2102	2104	2106	rVV2	64600	70886	3.35%	0.263%
79	14.480	2106	2107	2111	rVV	66979	62385	2.95%	0.231%
80	14.527	2113	2115	2121	rVB3	33092	38636	1.83%	0.143%
81	14.680	2135	2141	2145	rBV6	42686	88622	4.19%	0.329%
82	14.839	2163	2168	2171	rBV4	25697	54025	2.55%	0.200%
83	14.986	2189	2193	2196	rBV	361065	503337	23.79%	1.867%
84	15.098	2208	2212	2217	rVB	82911	105881	5.00%	0.393%
85	15.180	2223	2226	2228	rBV3	22654	28940	1.37%	0.107%
86	15.286	2240	2244	2251	rVB	188746	218726	10.34%	0.811%
87	15.351	2251	2255	2261	rBV	308882	374786	17.72%	1.390%
88	15.409	2261	2265	2268	rVV	340506	399327	18.88%	1.481%
89	15.445	2268	2271	2276	rVB2	77445	105065	4.97%	0.390%
90	15.580	2291	2294	2297	rBV	21228	26331	1.24%	0.098%
91	15.774	2322	2327	2332	rVB9	24301	47695	2.25%	0.177%
92	15.898	2344	2348	2351	rBV4	12615	23595	1.12%	0.088%
93	15.968	2356	2360	2365	rBV3	27572	47229	2.23%	0.175%
94	16.121	2382	2386	2387	rBV4	19722	23415	1.11%	0.087%
95	16.674	2475	2480	2483	rVB3	19299	31452	1.49%	0.117%
96	16.874	2509	2514	2522	rVB2	118127	225611	10.66%	0.837%
97	17.039	2538	2542	2548	rBV2	28417	57275	2.71%	0.212%
98	17.098	2550	2552	2560	rVB4	21028	36554	1.73%	0.136%
99	17.321	2585	2590	2605	rBV	90228	195746	9.25%	0.726%
100	17.586	2630	2635	2643	rVB3	28353	60564	2.86%	0.225%

Sum of corrected areas: 26960200

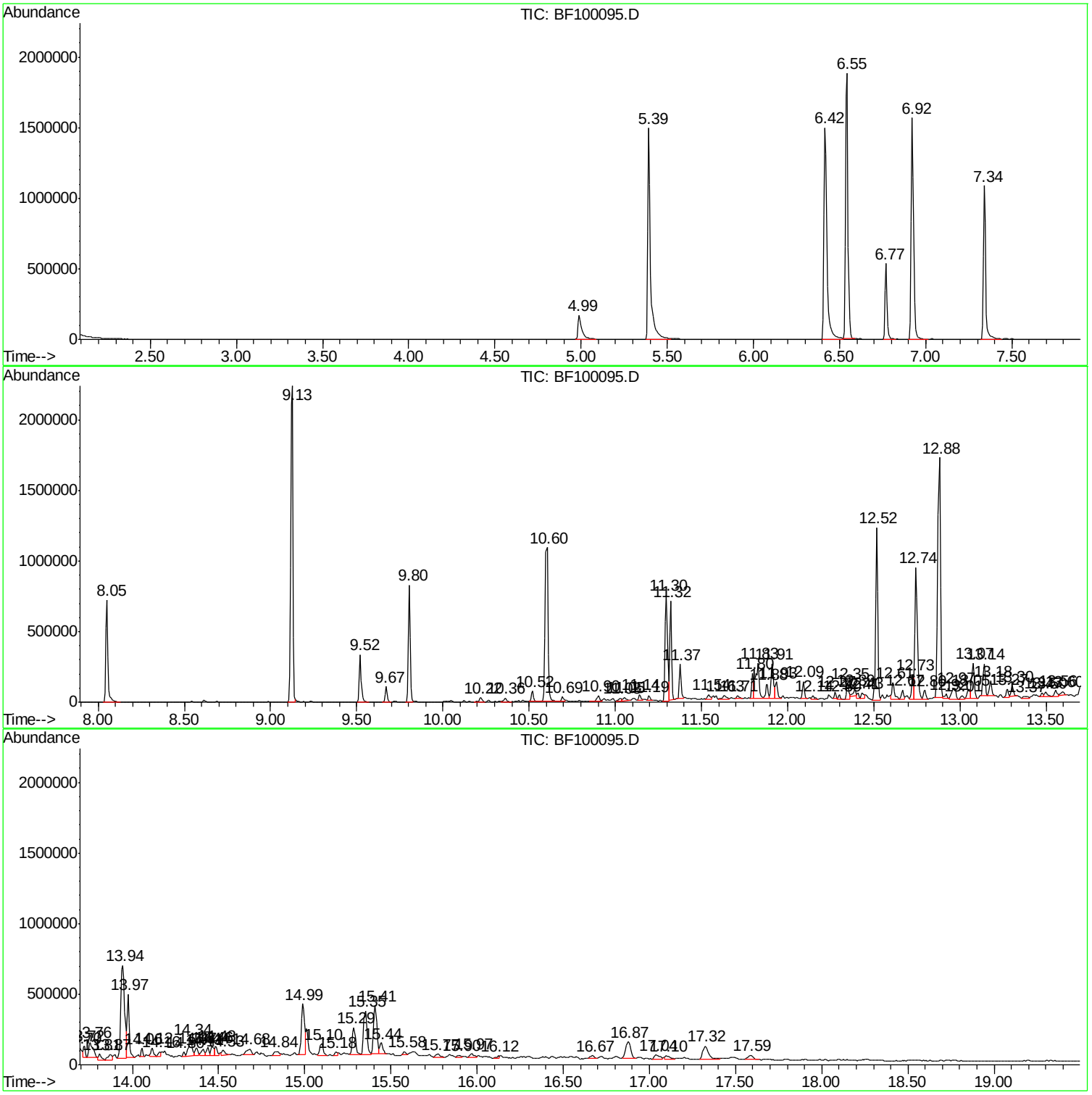
LSC Report - Integrated Chromatogram

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF110217\
Data File : BF100095.D
Acq On : 2 Nov 2017 19:55
Operator : SJ/JU
Sample : I6233-03
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-3(6-8)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF102317.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 : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF110217\
Data File : BF100095.D
Acq On : 2 Nov 2017 19:55
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Instrument : BNA_F
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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF102317.M
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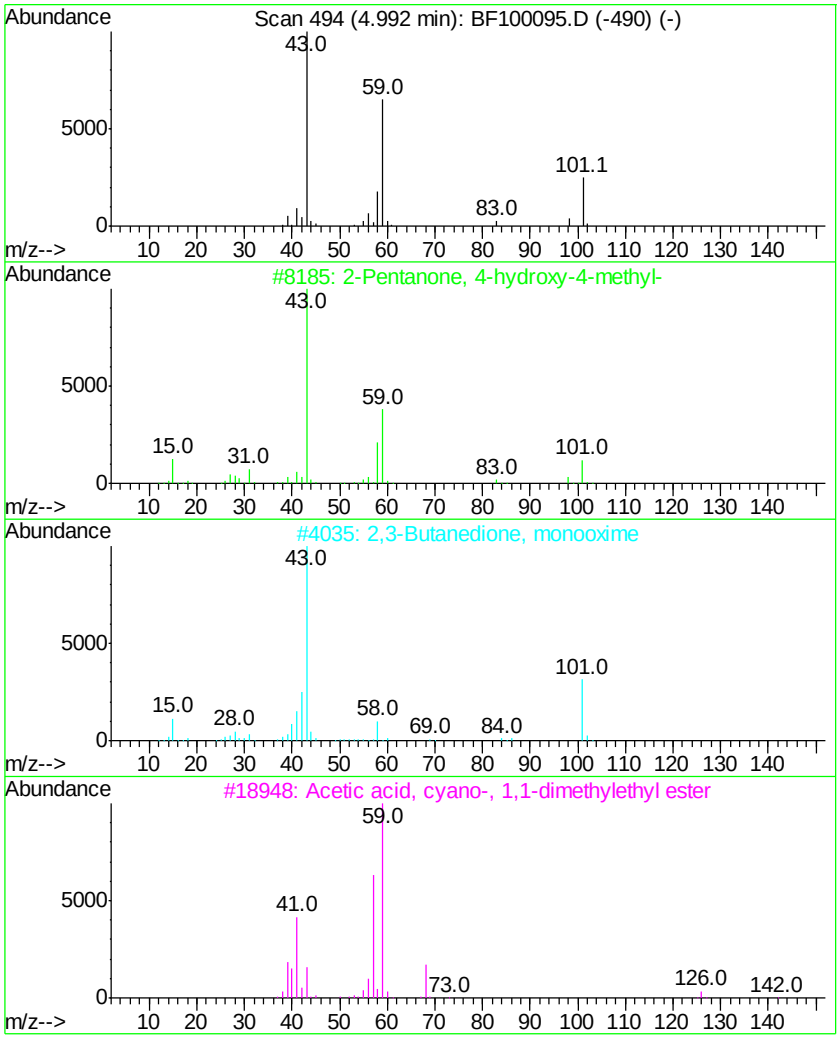
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

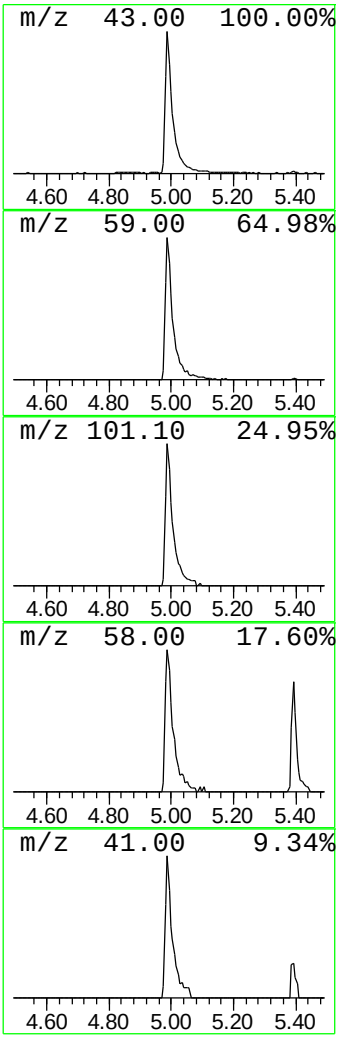
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.99	11.90 ng	282628	1,4-Dichlorobenzene-d4	6.77

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	56
2	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	17
3	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	17
4	Butane, 1-ethoxy-	102	C6H14O	000628-81-9	9
5	(+-)-4-Amino-4,5-dihydro-2(3H)-f...	101	C4H7NO2	016504-58-8	9





Library Search Compound Report

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF110217\
Data File : BF100095.D
Acq On : 2 Nov 2017 19:55
Operator : SJ/JU
Sample : I6233-03
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-3(6-8)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF102317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

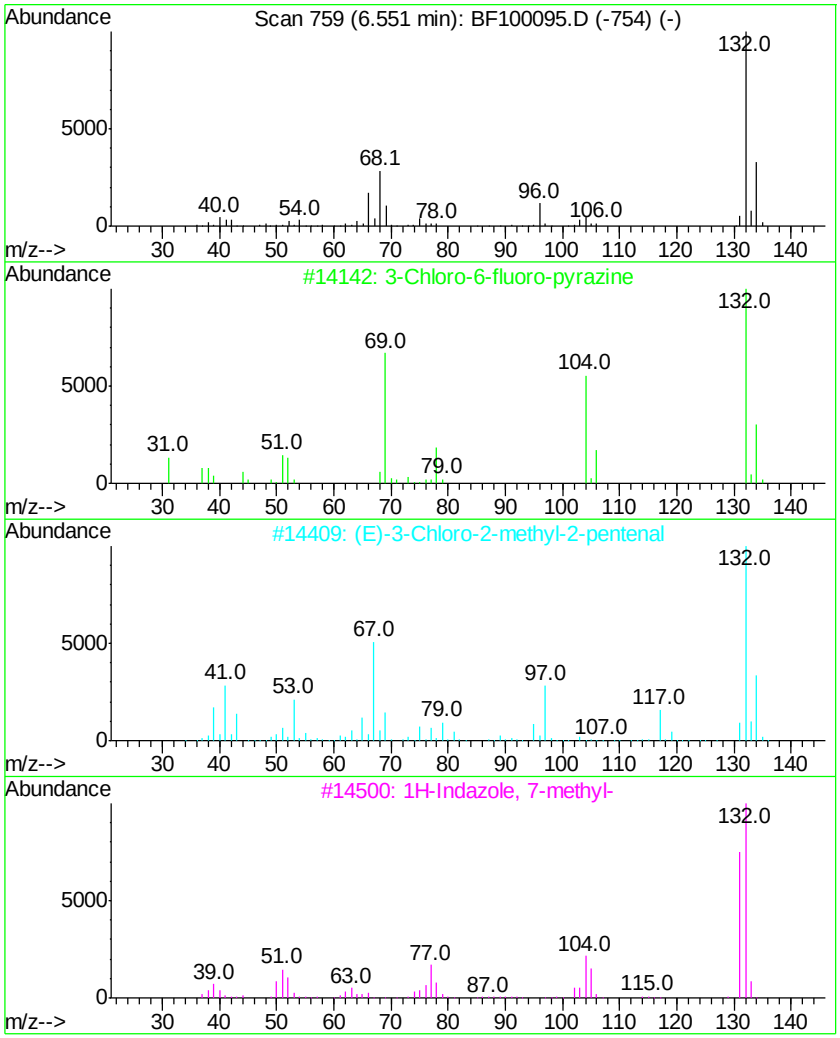
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

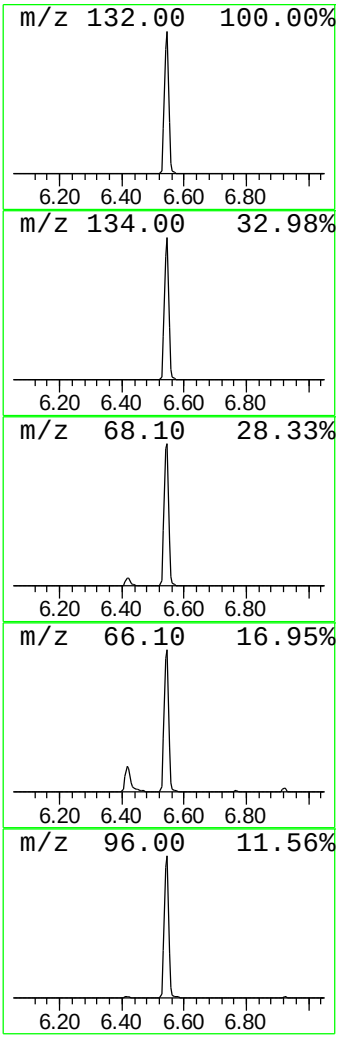
****

Peak Number 2 unknown6.55 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.55	76.25 ng	1810600	1,4-Dichlorobenzene-d4	6.77

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	38
2	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	17
3	1H-Indazole, 7-methyl-	132	C8H8N2	1000316-00-7	10
4	4-Chloro-6-fluoro-pyrimidine	132	C4H2ClFN2	051422-01-6	9
5	Xenon	132	Xe	007440-63-3	9





Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF110217\
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Instrument : BNA_F
ClientSampleId : SB-3(6-8)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF102317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

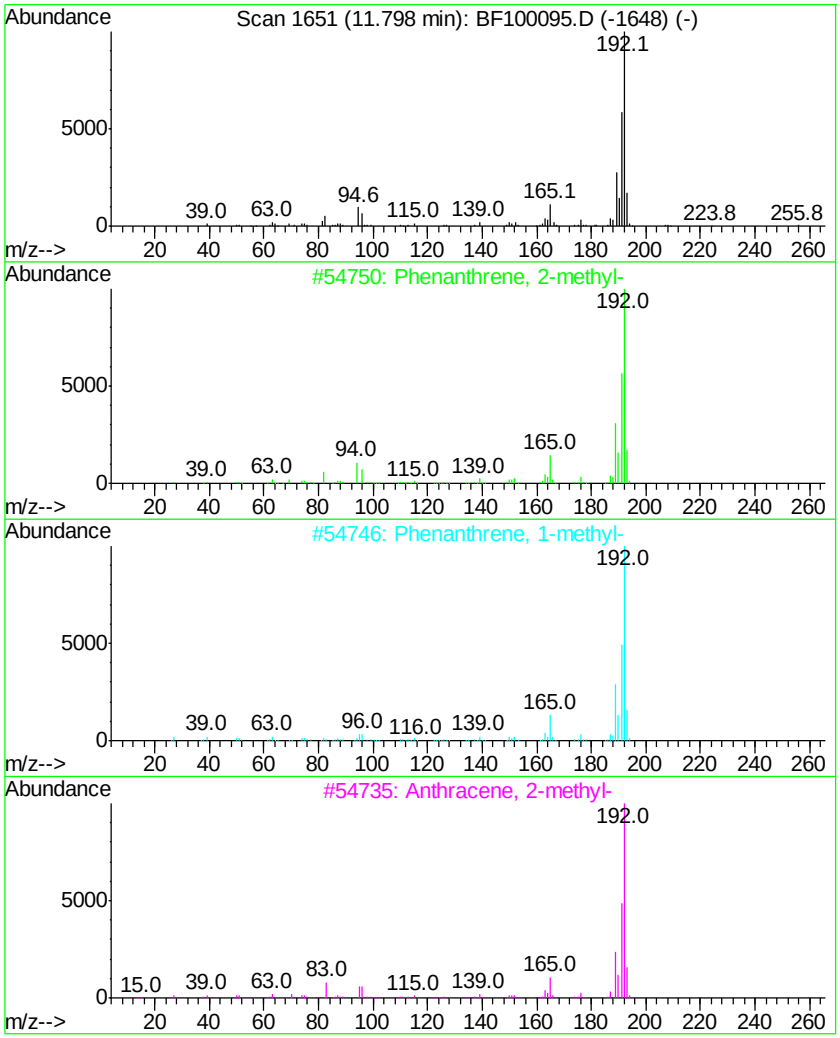
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

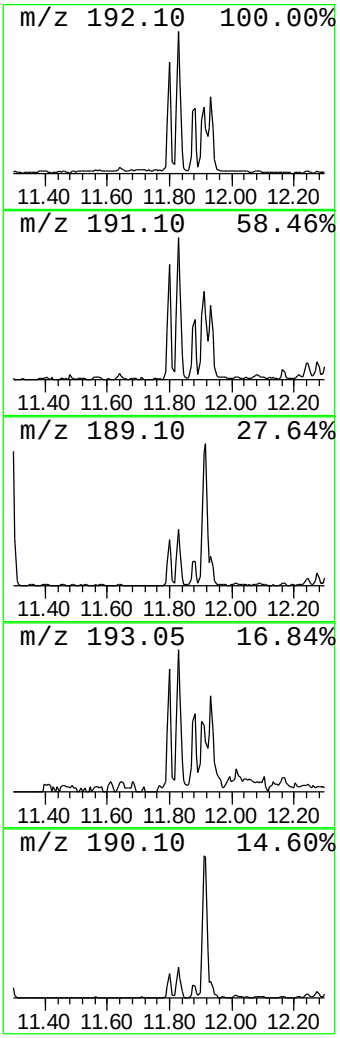
****

Peak Number 4 Phenanthrene, 2-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.80	4.20 ng	138628	Phenanthrene-d10	11.30

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





Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF110217\
Data File : BF100095.D
Acq On : 2 Nov 2017 19:55
Operator : SJ/JU
Sample : I6233-03
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-3(6-8)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF102317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

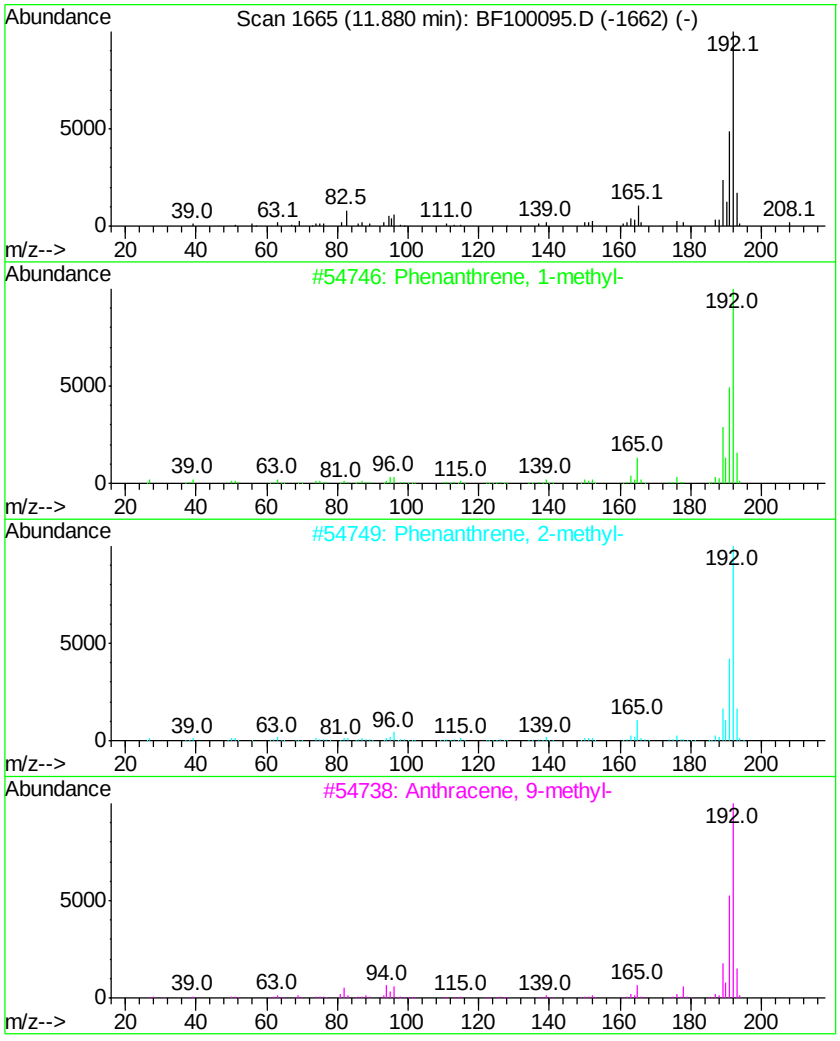
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

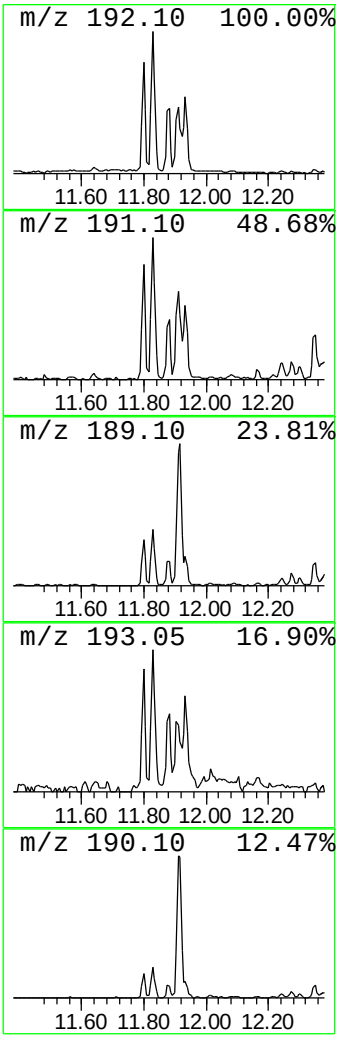
****

Peak Number 6 Phenanthrene, 1-methyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.88	2.91 ng	95997	Phenanthrene-d10	11.30

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	97
3	Anthracene, 9-methyl-	192	C15H12	000779-02-2	95
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
5	Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	94





Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF110217\
Data File : BF100095.D
Acq On : 2 Nov 2017 19:55
Operator : SJ/JU
Sample : I6233-03
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-3(6-8)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF102317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

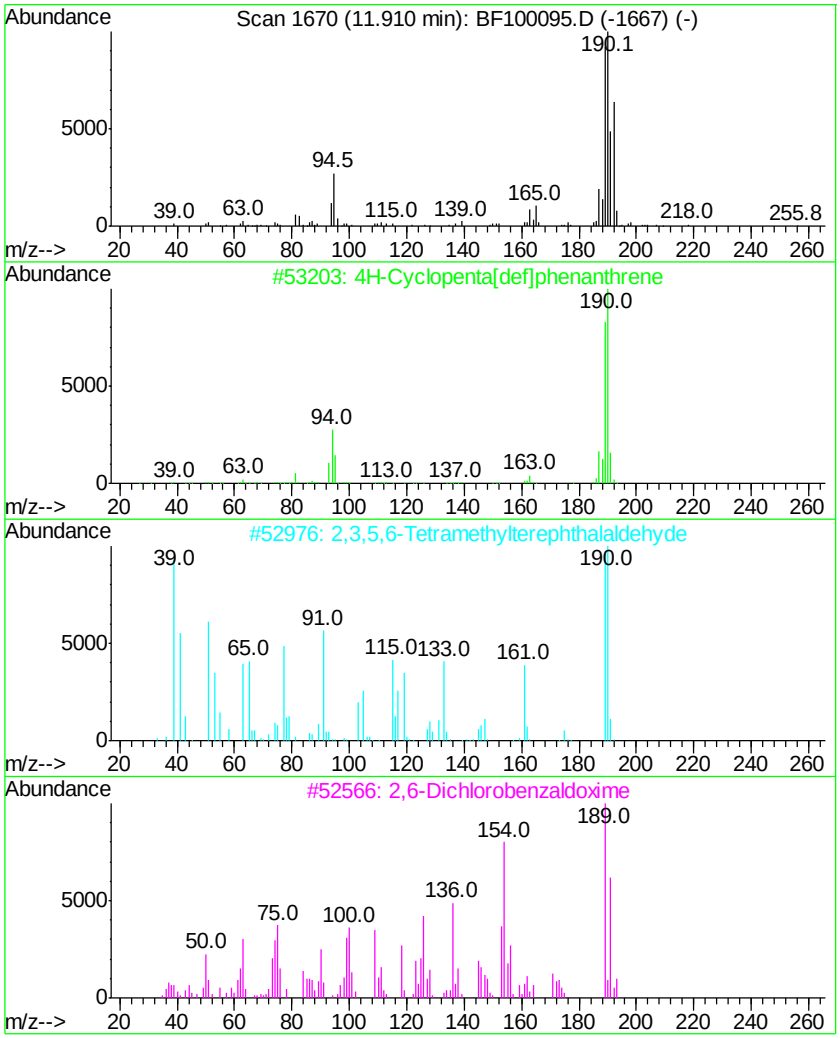
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

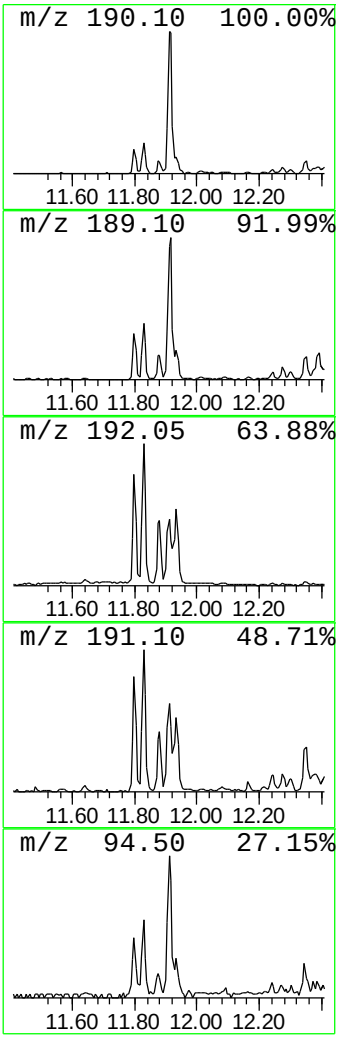
****

Peak Number 7 4H-Cyclopenta[def]phenanthrene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.91	8.43 ng	278129	Phenanthrene-d10	11.30

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	95
2	2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	43
3	2,6-Dichlorobenzaldoxime	189	C7H5Cl2NO	025185-95-9	30
4	Benzene, 1,1'-(1,2-propadienylid...	192	C15H12	014251-57-1	22
5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	18





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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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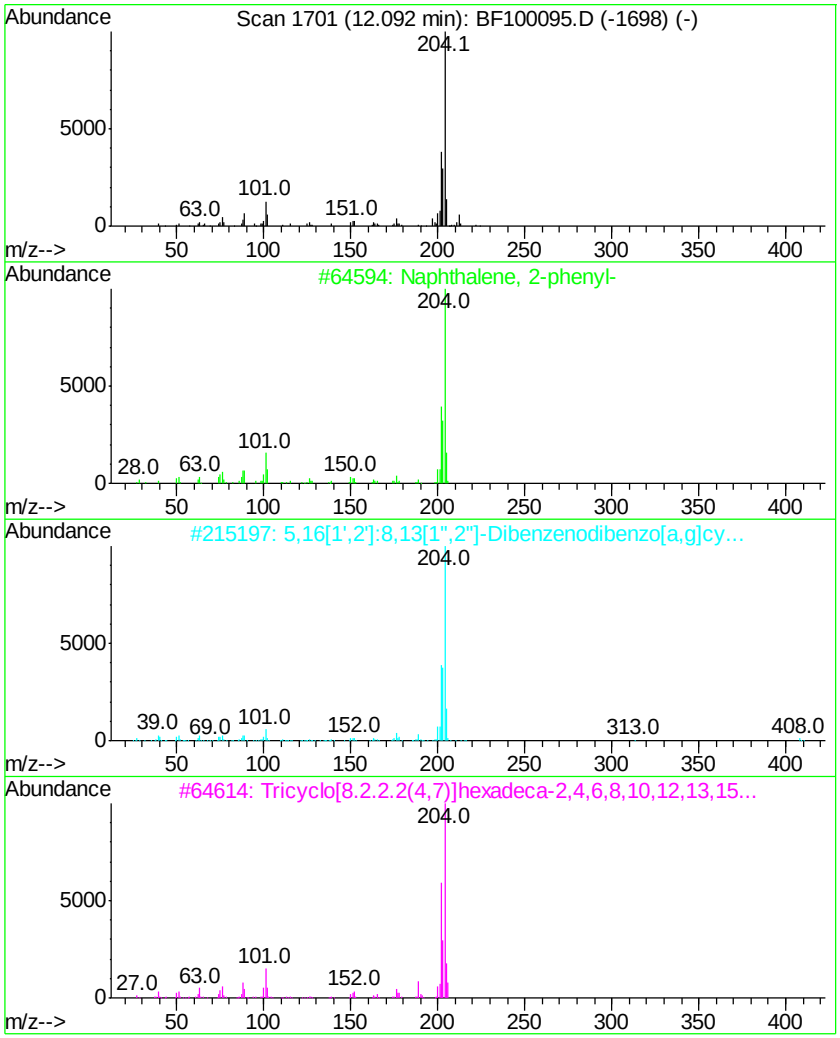
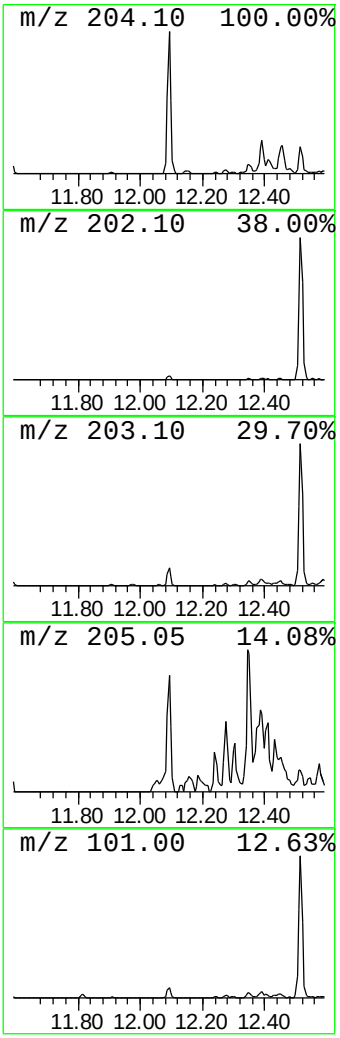
Peak Number 8 Naphthalene, 2-phenyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.09	3.08 ng	101474	Phenanthrene-d10	11.30

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	89
2	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	86
3	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	81
4	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	64
5	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	58





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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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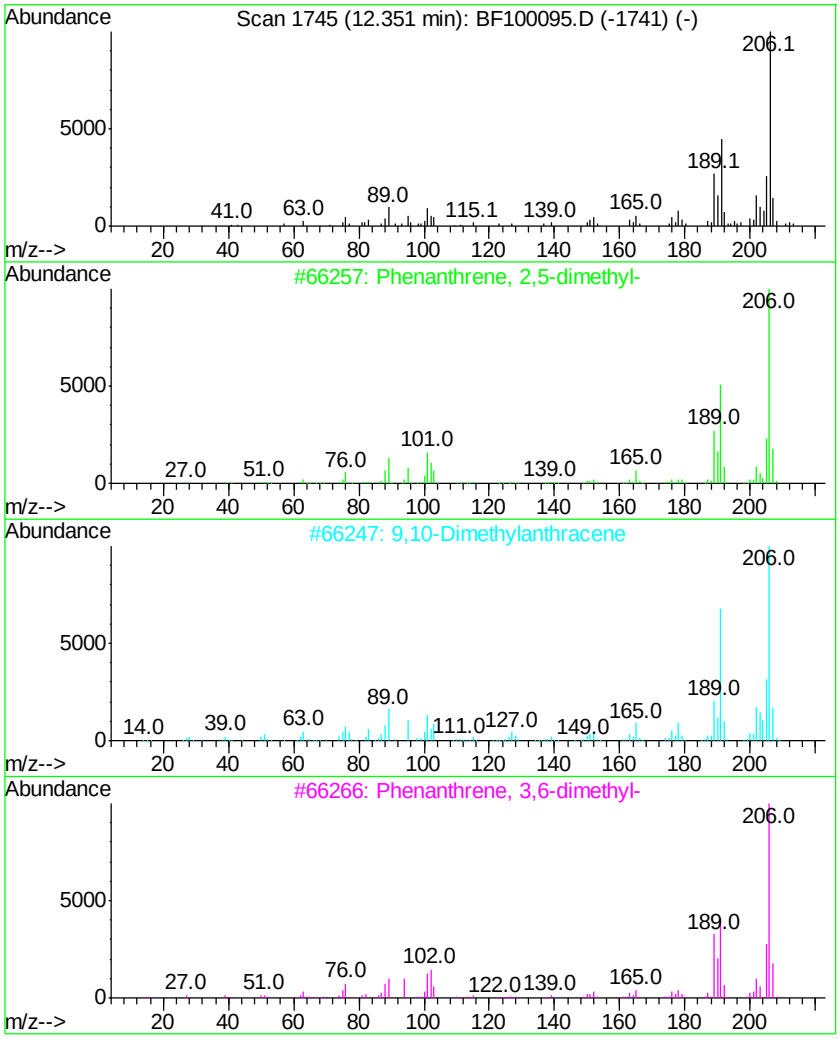
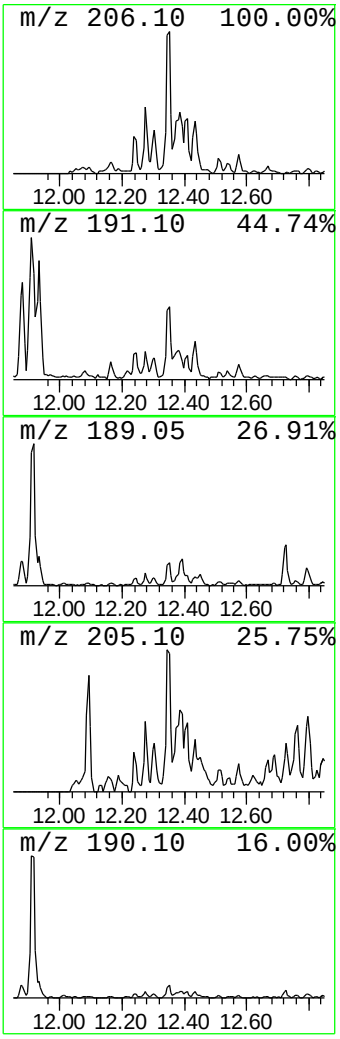
Peak Number 9 Phenanthrene, 2,5-dimethyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.35	3.71 ng	122339	Phenanthrene-d10	11.30

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	96
2	9,10-Dimethylanthracene	206	C16H14	000781-43-1	95
3	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	93
4	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	90
5	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	90





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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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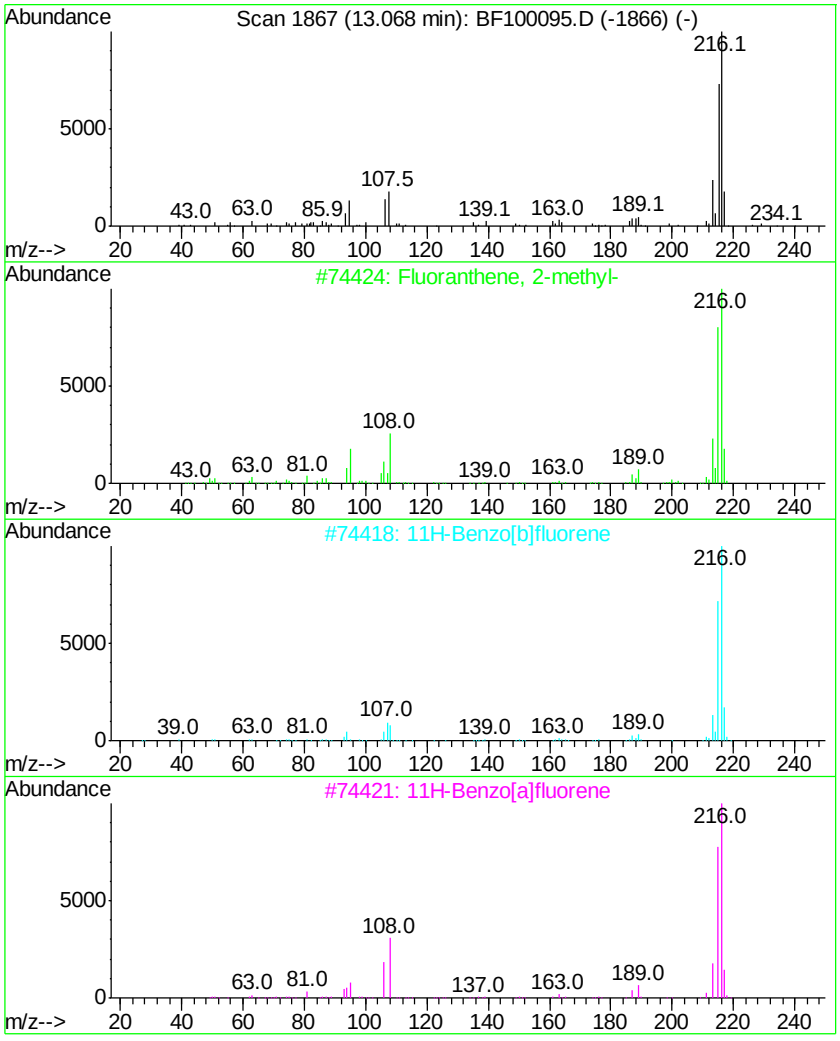
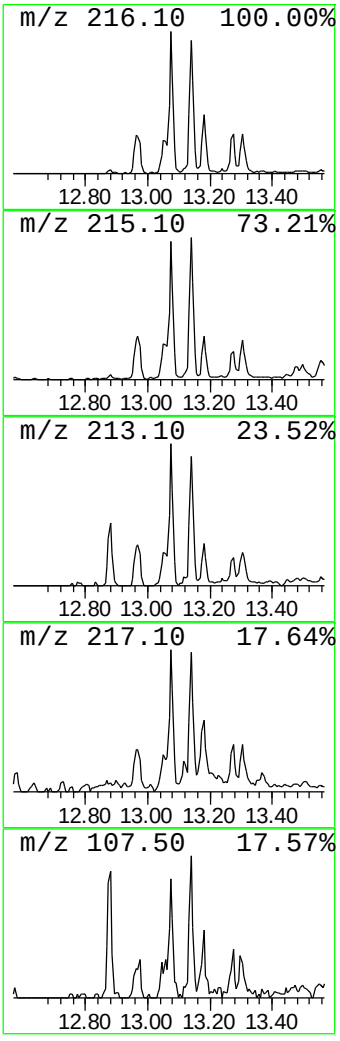
Peak Number 11 Fluoranthene, 2-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.07	4.26 ng	221286	Chrysene-d12	13.95

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	94
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	90
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	87
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	87
5	Pyrene, 2-methyl-	216	C17H12	003442-78-2	76





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

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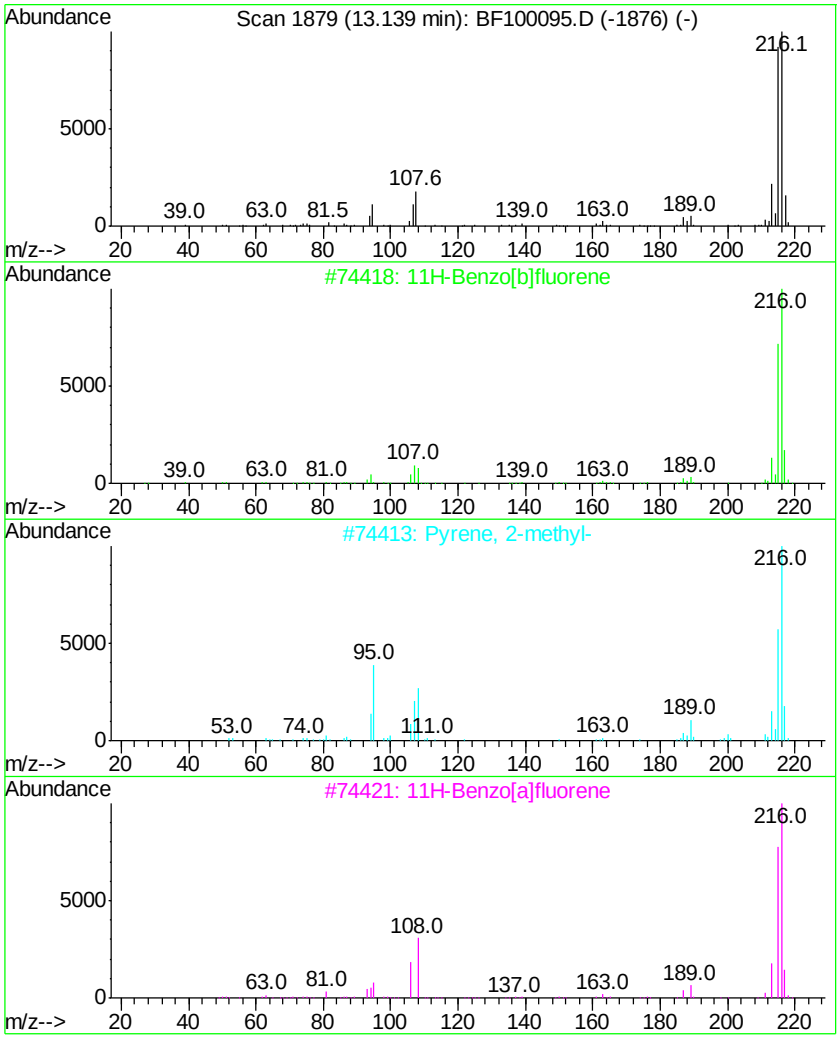
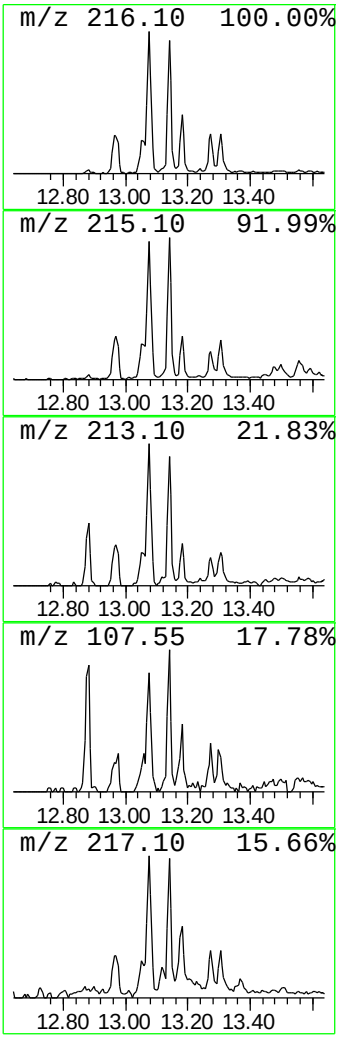
Peak Number 12 11H-Benzo[b]fluorene Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.14	3.38 ng	175510	Chrysene-d12	13.95

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	90
2	Pyrene, 2-methyl-	216	C17H12	003442-78-2	89
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	87
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	87
5	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	81





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

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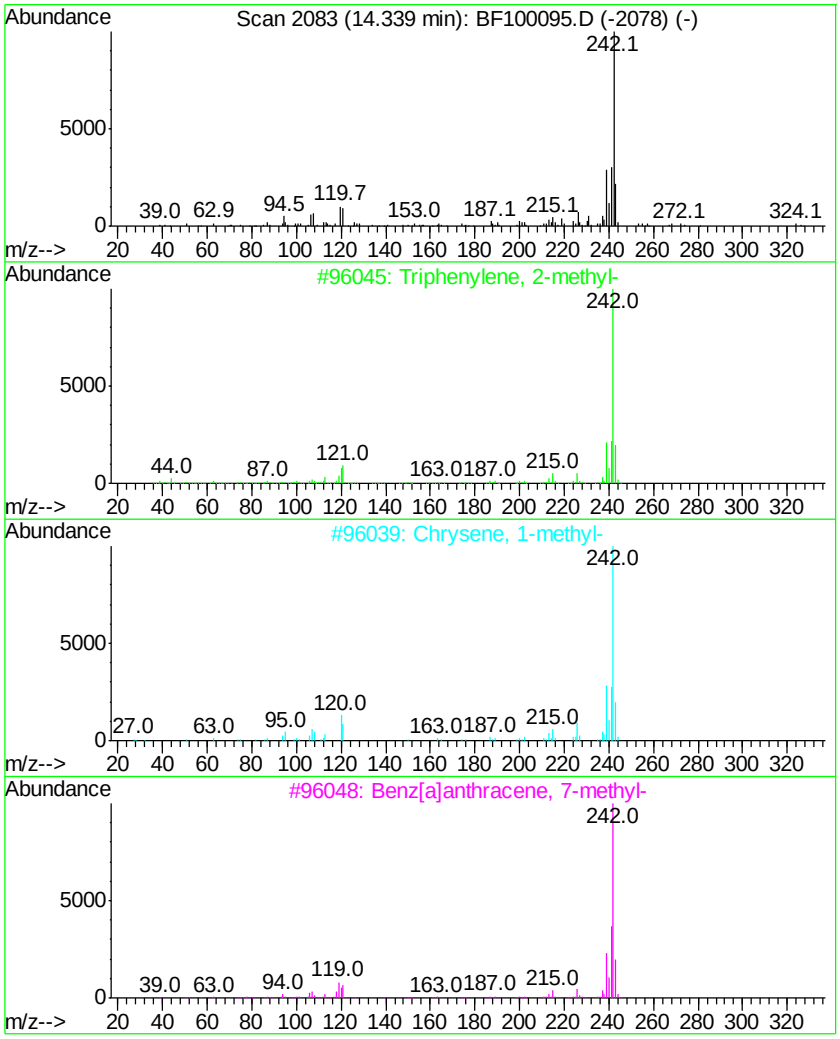
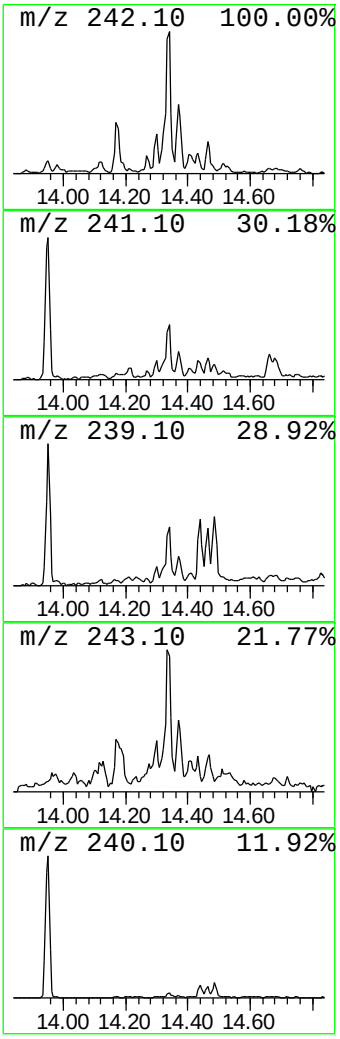
Peak Number 14 Triphenylene, 2-methyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.34	3.19 ng	165573	Chrysene-d12	13.95

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Triphenylene, 2-methyl-	242	C19H14	001705-84-6	95
2	Chrysene, 1-methyl-	242	C19H14	003351-28-8	93
3	Benz[a]anthracene, 7-methyl-	242	C19H14	002541-69-7	93
4	Benz[a]anthracene, 1-methyl-	242	C19H14	002498-77-3	93
5	Benz[a]anthracene, 8-methyl-	242	C19H14	002381-31-9	90





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ALS Vial : 20 Sample Multiplier: 1

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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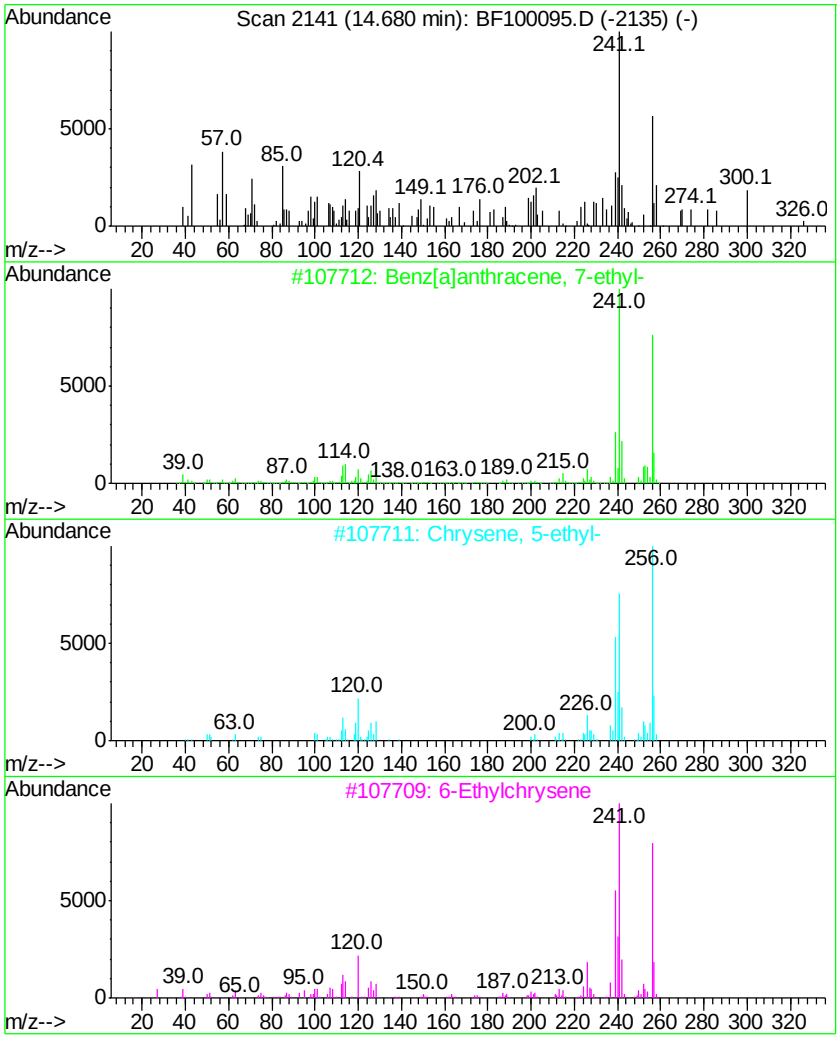
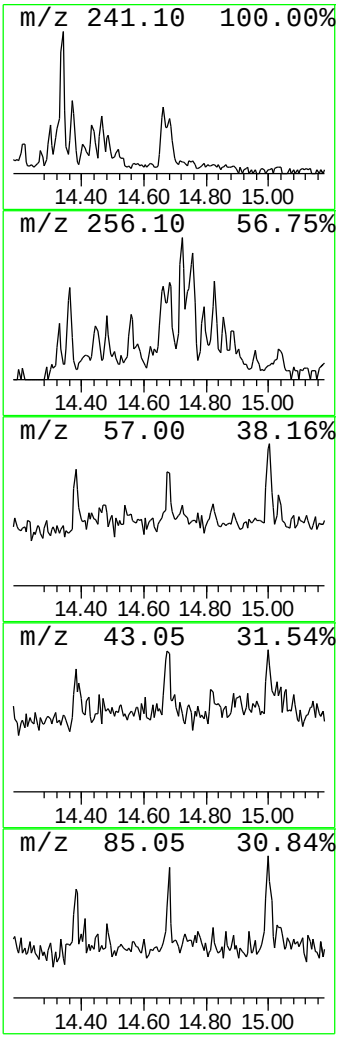
Peak Number 15 Benz[a]anthracene, 7-ethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.68	4.44 ng	88622	Perylene-d12	15.41

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benz[a]anthracene, 7-ethyl-	256	C20H16	003697-30-1	70
2	Chrysene, 5-ethyl-	256	C20H16	054986-62-8	62
3	6-Ethylchrysene	256	C20H16	1000342-58-3	53
4	2-(4'-Methoxyphenyl)-2-(2'-metho...	256	C17H20O2	155726-81-1	49
5	1,1,3,3-Tetramethyl-1,3-disilaph...	256	C15H20Si2	032538-51-5	49





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Misc :
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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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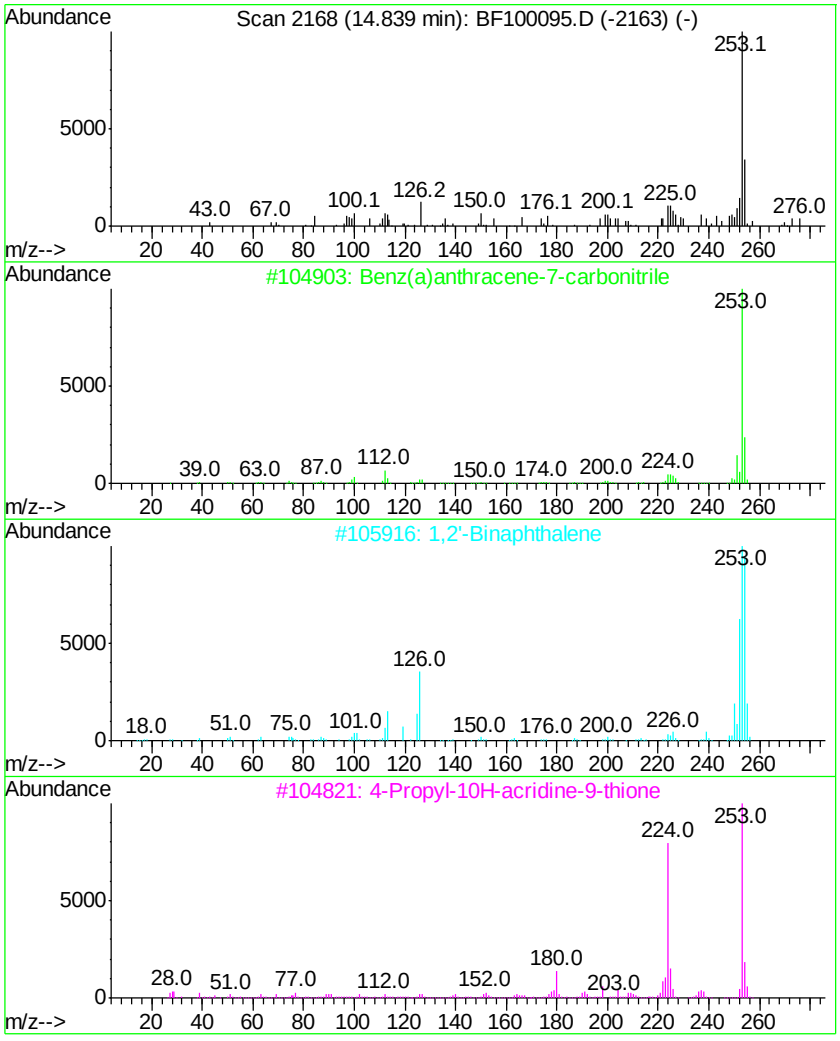
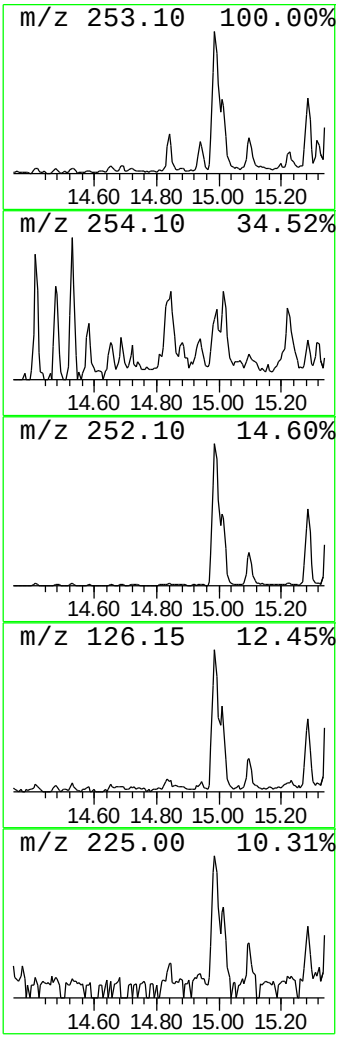
Peak Number 16 Benz(a)anthracene-7-carboni... Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.84	2.71 ng	54025	Perylene-d12	15.41

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benz(a)anthracene-7-carbonitrile	253	C19H11N	007476-08-6	81
2	1,2'-Binaphthalene	254	C20H14	004325-74-0	53
3	4-Propyl-10H-acridine-9-thione	253	C16H15NS	1000211-07-8	47
4	Imidazole, 2-iodo-5-methyl-4-nitro-	253	C4H4IN3O2	149510-86-1	43
5	7,12-Dihydrobenzo[k]fluoranthene	254	C20H14	1000080-17-7	42





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TIC Library : C:\DATABASE\NIST11.L
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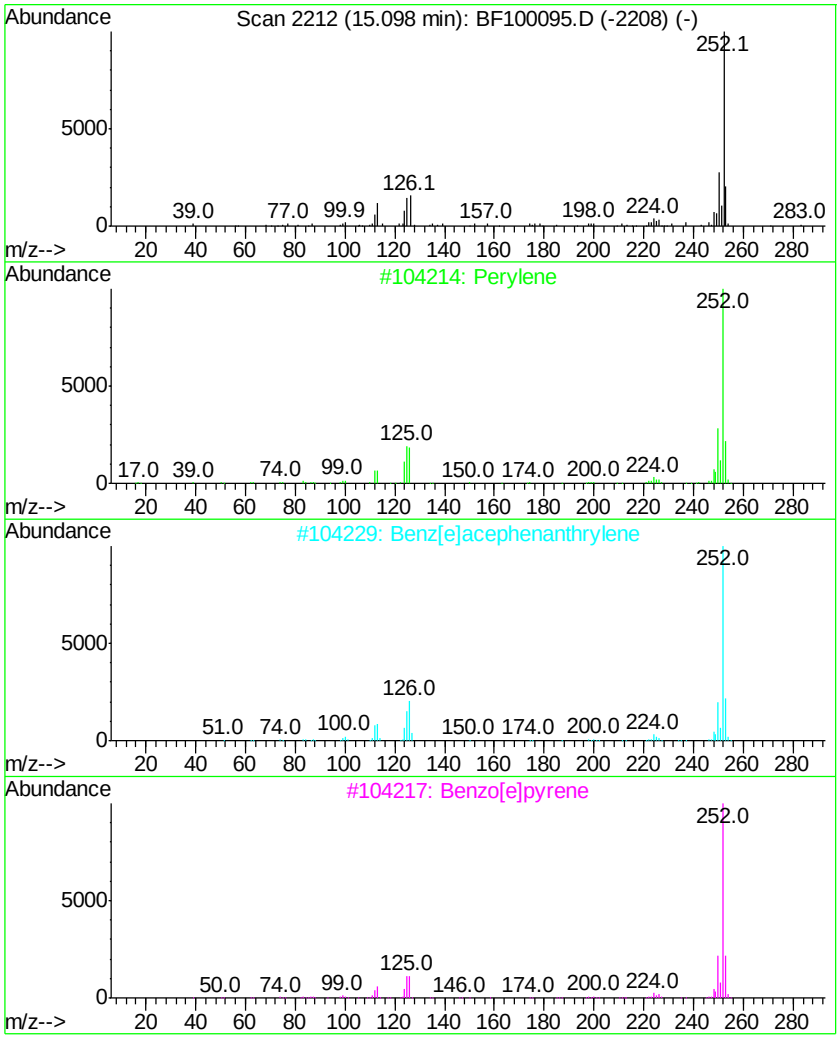
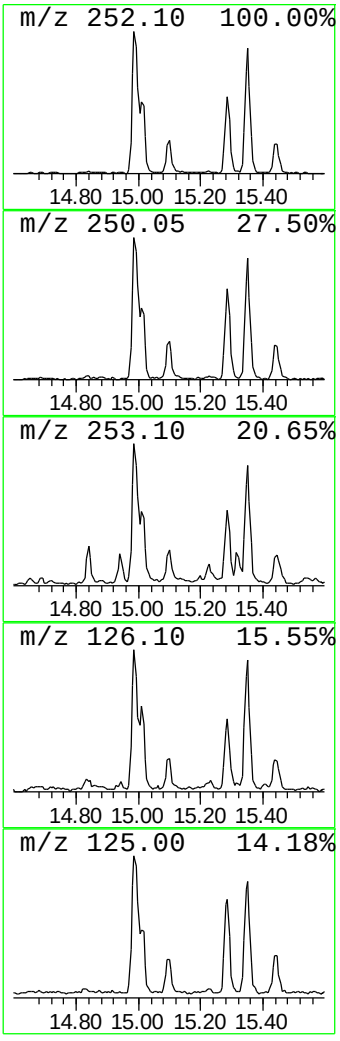
Peak Number 17 Perylene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.10	5.30 ng	105881	Perylene-d12	15.41

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Perylene	252	C20H12	000198-55-0	98
2	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	96
3	Benzo[e]pyrene	252	C20H12	000192-97-2	94
4	Benzo[k]fluoranthene	252	C20H12	000207-08-9	93
5	Benzo[a]pyrene	252	C20H12	000050-32-8	91





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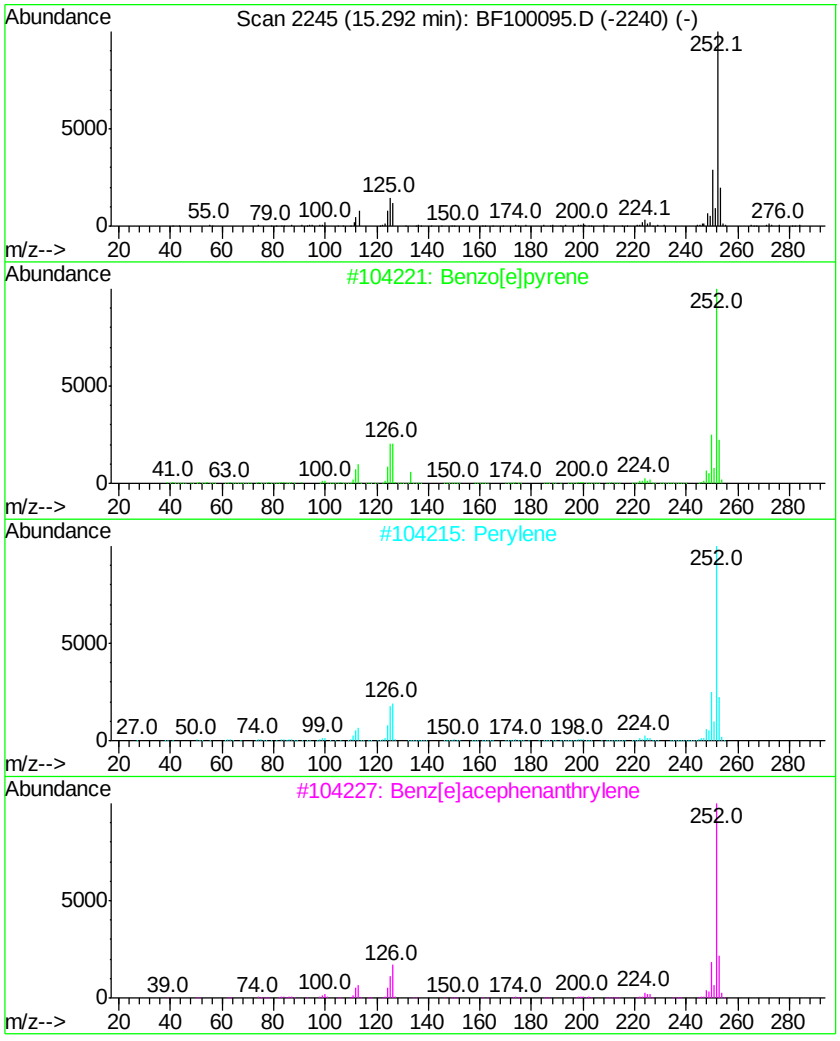
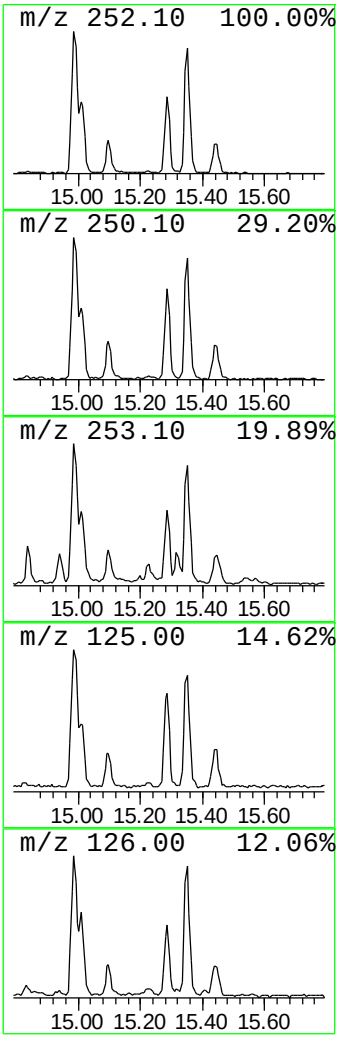
Peak Number 18 Benzo[e]pyrene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.29	10.95 ng	218726	Perylene-d12	15.41

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	99
2	Perylene	252	C20H12	000198-55-0	98
3	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	93
4	Benzo[j]fluoranthene	252	C20H12	000205-82-3	90
5	Benzo[a]pyrene	252	C20H12	000050-32-8	90





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TIC Library : C:\DATABASE\NIST11.L
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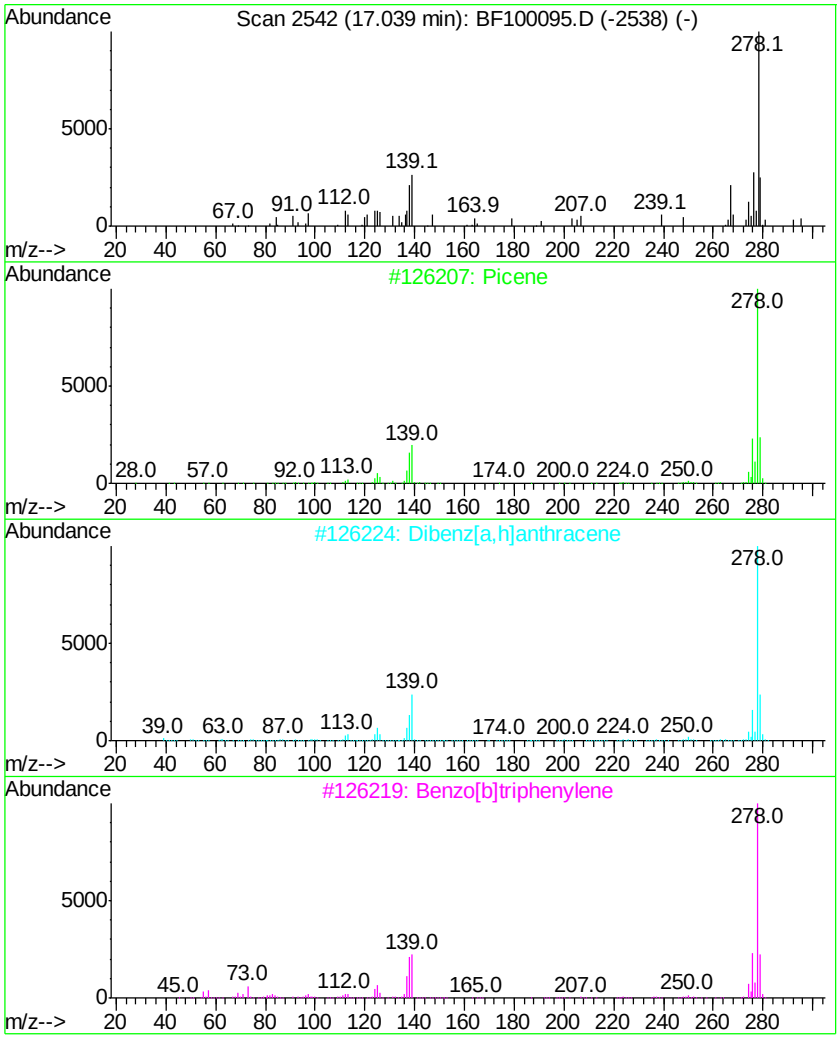
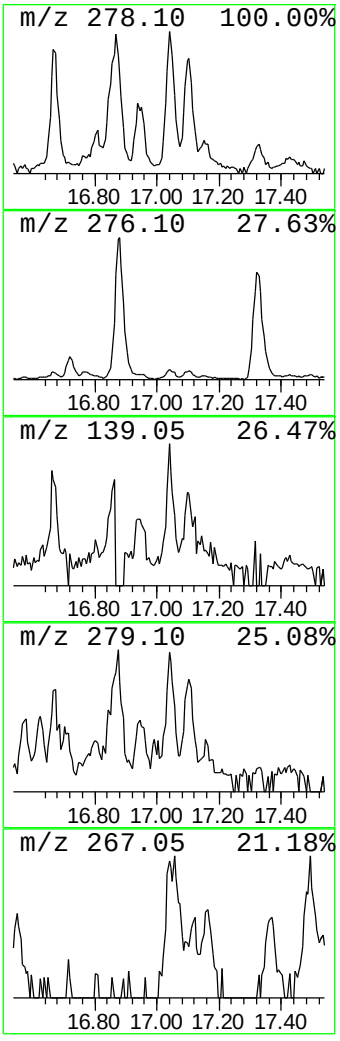
Peak Number 19 Picene Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.04	2.87 ng	57275	Perylene-d12	15.41

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Picene	278	C22H14	000213-46-7	70
2	Dibenz[a,h]anthracene	278	C22H14	000053-70-3	70
3	Benzo[b]triphenylene	278	C22H14	000215-58-7	70
4	Benzo[a]naphthacene	278	C22H14	000226-88-0	53
5	Pentaphene	278	C22H14	000222-93-5	52





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TIC Library : C:\DATABASE\NIST11.L
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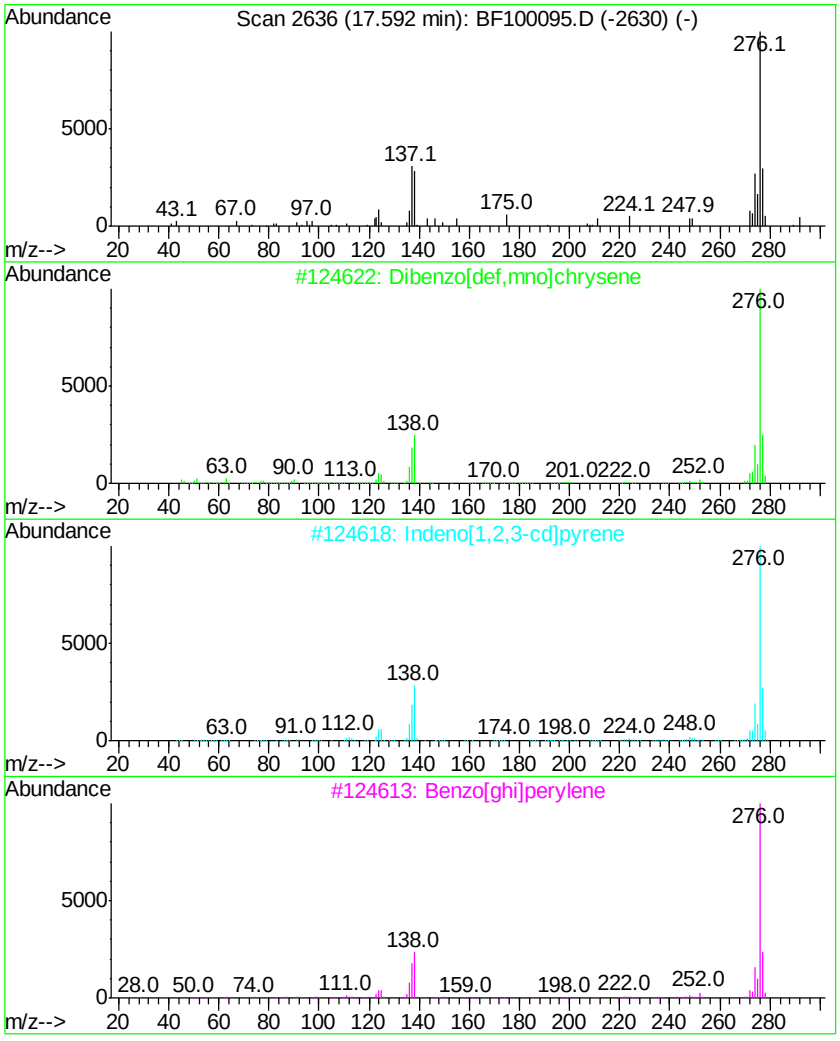
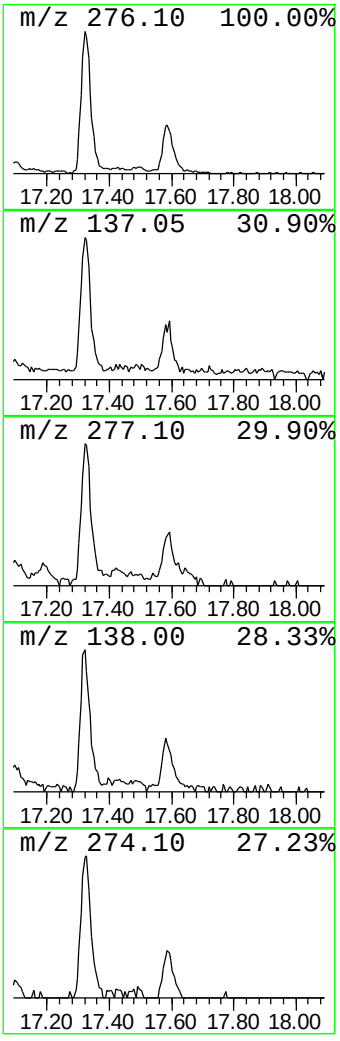
Peak Number 20 Dibenzo[def,mno]chrysene Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.59	3.03 ng	60564	Perylene-d12	15.41

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzo[def,mno]chrysene	276	C22H12	000191-26-4	91
2	Indeno[1,2,3-cd]pyrene	276	C22H12	000193-39-5	91
3	Benzo[ghi]perylene	276	C22H12	000191-24-2	87
4	Indeno[1,2,3-cd]fluoranthene	276	C22H12	000193-43-1	74
5	2-Thiophenecarbaldehyde, 5-[5-(t...	276	C13H8OS3	1000217-28-5	43





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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...	4.99	11.9	ng	282628	1	6.77	474933	20.0
unknown6.55	6.55	76.3	ng	1810600	1	6.77	474933	20.0
Phenanthrene, 2-m...	11.80	4.2	ng	138628	4	11.30	659842	20.0
Phenanthrene, 1-m...	11.88	2.9	ng	95997	4	11.30	659842	20.0
4H-Cyclopenta[def...	11.91	8.4	ng	278129	4	11.30	659842	20.0
Naphthalene, 2-ph...	12.09	3.1	ng	101474	4	11.30	659842	20.0
Phenanthrene, 2,5...	12.35	3.7	ng	122339	4	11.30	659842	20.0
Fluoranthene, 2-m...	13.07	4.3	ng	221286	5	13.95	1038680	20.0
11H-Benzo[b]fluorene	13.14	3.4	ng	175510	5	13.95	1038680	20.0
Triphenylene, 2-m...	14.34	3.2	ng	165573	5	13.95	1038680	20.0
Benz[a]anthracene...	14.68	4.4	ng	88622	6	15.41	399327	20.0
Benz(a)anthracene...	14.84	2.7	ng	54025	6	15.41	399327	20.0
Perylene	15.10	5.3	ng	105881	6	15.41	399327	20.0
Benzo[e]pyrene	15.29	10.9	ng	218726	6	15.41	399327	20.0
Picene	17.04	2.9	ng	57275	6	15.41	399327	20.0
Dibenzo[def,mno]c...	17.59	3.0	ng	60564	6	15.41	399327	20.0