LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF112519\
Data File : BF117987.D
Acq On : 26 Nov 2019 1:14
Operator : JU
Sample : K5970-03
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-28-S

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	2.216	15	22	27	rVB	723140	973496	19.24%	1.410%
2	5.110	509	514	525	rVB	544990	747543	14.77%	1.083%
3	5.510	576	582	585	rBV	3613615	3569910	70.55%	5.172%
4	6.522	747	754	756	rBV	3515905	4218672	83.37%	6.112%
5	6.663	772	778	781	rBV	4221499	4436762	87.68%	6.428%
6	6.887	813	816	820	rBV	1261583	1120427	22.14%	1.623%
7	7.045	839	843	847	rBV	3470370	3415324	67.49%	4.948%
8	7.457	907	913	916	rBV	2282954	2451851	48.45%	3.552%
9	8.175	1030	1035	1038	rBV	1543397	1336319	26.41%	1.936%
10	9.257	1213	1219	1222	rBV	5430920	5060355	100.00%	7.332%
11	9.645	1282	1285	1290	rBV	663429	579087	11.44%	0.839%
12	9.798	1307	1311	1315	rBV	334363	266333	5.26%	0.386%
13	9.939	1328	1335	1338	rBV	2086491	1708910	33.77%	2.476%
14	10.139	1365	1369	1373	rBV	70583	73146	1.45%	0.106%
15	10.251	1384	1388	1391	rBV2	65508	65773	1.30%	0.095%
16	10.345	1400	1404	1406	rBV2	53214	64598	1.28%	0.094%
17	10.733	1464	1470	1473	rBV	3243430	3190651	63.05%	4.623%
18	10.851	1486	1490	1493	rBV2	101751	112883	2.23%	0.164%
19	11.039	1517	1522	1525	rBV2	56489	74602	1.47%	0.108%
20	11.163	1538	1543	1545	rBV	92549	94596	1.87%	0.137%
21	11.186	1545	1547	1552	rVV2	104870	122308	2.42%	0.177%
22	11.233	1552	1555	1558	rVV2	78586	92986	1.84%	0.135%
23	11.275	1558	1562	1568	rVV2	80425	142398	2.81%	0.206%
24	11.328	1568	1571	1575	rVB	78096	84245	1.66%	0.122%
25	11.433	1584	1589	1591	rBV	1470389	1440038	28.46%	2.086%
26	11.457	1591	1593	1596	rVV	1157847	918223	18.15%	1.330%
27	11.504	1596	1601	1604	rVV	326253	294423	5.82%	0.427%
28	11.533	1604	1606	1613	rVV2	84963	99584	1.97%	0.144%
29	11.728	1636	1639	1641	rVB2	117415	108252	2.14%	0.157%
30	11.763	1641	1645	1650	rVB	158555	134272	2.65%	0.195%
31	11.845	1656	1659	1664	rVB	60569	63392	1.25%	0.092%
32	11.933	1668	1674	1676	rVV	578326	524713	10.37%	0.760%
33	11.957	1676	1678	1683	rVV2	811825	859444	16.98%	1.245%
34	12.010	1683	1687	1689	rVV	176654	165012	3.26%	0.239%

LSC Area Percent Report

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Operator : JU
Sample : K5970-03
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-28-S

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

35	12.045	1689	1693	1695	rVV	473978	538555	10.64%	0.780%
36	12.069	1695	1697	1701	rVB	419546	323316	6.39%	0.468%
37	12.116	1701	1705	1711	rBV5	66725	134131	2.65%	0.194%
38	12.169	1711	1714	1716	rVB2	69391	64062	1.27%	0.093%
39	12.227	1721	1724	1726	rVV	290634	249163	4.92%	0.361%
40	12.251	1726	1728	1735	rVB2	148116	165388	3.27%	0.240%
41	12.357	1744	1746	1748	rBV	58359	62619	1.24%	0.091%
42	12.380	1748	1750	1752	rVV	162928	137202	2.71%	0.199%
43	12.410	1752	1755	1757	rVV	189710	158826	3.14%	0.230%
44	12.433	1757	1759	1762	rVB	123019	96394	1.90%	0.140%
45	12.486	1764	1768	1771	rBV	436164	433535	8.57%	0.628%
46	12.516	1771	1773	1776	rVV2	201666	243088	4.80%	0.352%
47	12.545	1776	1778	1780	rVV	117766	89028	1.76%	0.129%
48	12.569	1780	1782	1787	rVV	334653	324157	6.41%	0.470%
49	12.651	1790	1796	1799	rBV	2706339	2401559	47.46%	3.479%
50	12.692	1799	1803	1805	rVV	92477	81043	1.60%	0.117%
51	12.710	1805	1806	1809	rVB2	79904	63593	1.26%	0.092%
52	12.739	1809	1811	1814	rBV	234990	207654	4.10%	0.301%
53	12.775	1814	1817	1819	rBV3	96988	85733	1.69%	0.124%
54	12.880	1829	1835	1840	rVV	2439046	2647473	52.32%	3.836%
55	12.927	1840	1843	1848	rVB3	153973	226123	4.47%	0.328%
56	13.022	1855	1859	1866	rVB	3947269	3830671	75.70%	5.550%
57	13.098	1867	1872	1876	rBV2	332504	535493	10.58%	0.776%
58	13.151	1879	1881	1883	rBV	87235	68153	1.35%	0.099%
59	13.180	1883	1886	1889	rBV2	268416	389372	7.69%	0.564%
60	13.251	1893	1898	1900	rBV3	111284	165404	3.27%	0.240%
61	13.310	1904	1908	1911	rBV2	469674	443956	8.77%	0.643%
62	13.374	1916	1919	1921	rBV3	66472	79037	1.56%	0.115%
63	13.404	1921	1924	1926	rBV	269849	217010	4.29%	0.314%
64	13.433	1926	1929	1932	rVV	233304	220098	4.35%	0.319%
65	13.592	1951	1956	1964	rVB7	98080	222028	4.39%	0.322%
66	13.657	1964	1967	1970	rBV4	77381	81375	1.61%	0.118%
67	13.716	1974	1977	1982	rVV	484381	461337	9.12%	0.668%
68	13.827	1990	1996	1999	rBV2	364455	532703	10.53%	0.772%
69	13.857	1999	2001	2003	rVV	298542	248669	4.91%	0.360%
70	13.880	2003	2005	2009	rVV2	216178	210661	4.16%	0.305%
71	13.921	2009	2012	2017	rVB2	570210	584691	11.55%	0.847%

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Misc :
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Instrument : BNA_F
ClientSampleId : TP-28-S

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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Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF111319.M
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72	14.074	2034	2038	2042	rBV2	1616281	2439933	48.22%	3.535%
73	14.110	2042	2044	2049	rVB	1245446	1038191	20.52%	1.504%
74	14.221	2058	2063	2064	rBV2	110234	128333	2.54%	0.186%
75	14.239	2064	2066	2068	rVB2	80073	63661	1.26%	0.092%
76	14.292	2073	2075	2080	rBV2	69101	102461	2.02%	0.148%
77	14.333	2080	2082	2085	rBV	96499	89064	1.76%	0.129%
78	14.427	2096	2098	2100	rBV	130995	132351	2.62%	0.192%
79	14.469	2102	2105	2108	rVV	452501	446227	8.82%	0.647%
80	14.504	2108	2111	2114	rVV	253643	276258	5.46%	0.400%
81	14.545	2115	2118	2123	rVV4	220908	305808	6.04%	0.443%
82	14.592	2123	2126	2129	rVV	168499	197957	3.91%	0.287%
83	14.616	2129	2130	2133	rVB2	106163	71102	1.41%	0.103%
84	14.863	2169	2172	2175	rBV	139599	144456	2.85%	0.209%
85	15.039	2199	2202	2205	rBV	106932	137910	2.73%	0.200%
86	15.139	2214	2219	2222	rBV2	1086527	1710688	33.81%	2.478%
87	15.210	2229	2231	2234	rVB2	115268	102270	2.02%	0.148%
88	15.251	2234	2238	2241	rBV	235789	263061	5.20%	0.381%
89	15.451	2268	2272	2279	rVB	619258	894694	17.68%	1.296%
90	15.515	2279	2283	2289	rBV	975590	1210743	23.93%	1.754%
91	15.580	2289	2294	2297	rVV2	726779	1098936	21.72%	1.592%
92	15.610	2297	2299	2306	rVV2	296767	451072	8.91%	0.654%
93	15.863	2338	2342	2345	rBV4	63347	107699	2.13%	0.156%
94	16.586	2463	2465	2470	rBV2	49714	66890	1.32%	0.097%
95	16.692	2480	2483	2485	rBV	55194	74403	1.47%	0.108%
96	16.751	2489	2493	2496	rVB4	89377	143413	2.83%	0.208%
97	16.904	2510	2519	2522	rBV3	107148	294898	5.83%	0.427%
98	16.933	2522	2524	2528	rVB2	112548	146763	2.90%	0.213%
99	17.098	2546	2552	2562	rVB2	356218	686598	13.57%	0.995%
100	17.557	2624	2630	2639	rVB	255831	561551	11.10%	0.814%

Sum of corrected areas: 69021219

LSC Report - Integrated Chromatogram

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Data File : BF117987.D
Acq On : 26 Nov 2019 1:14
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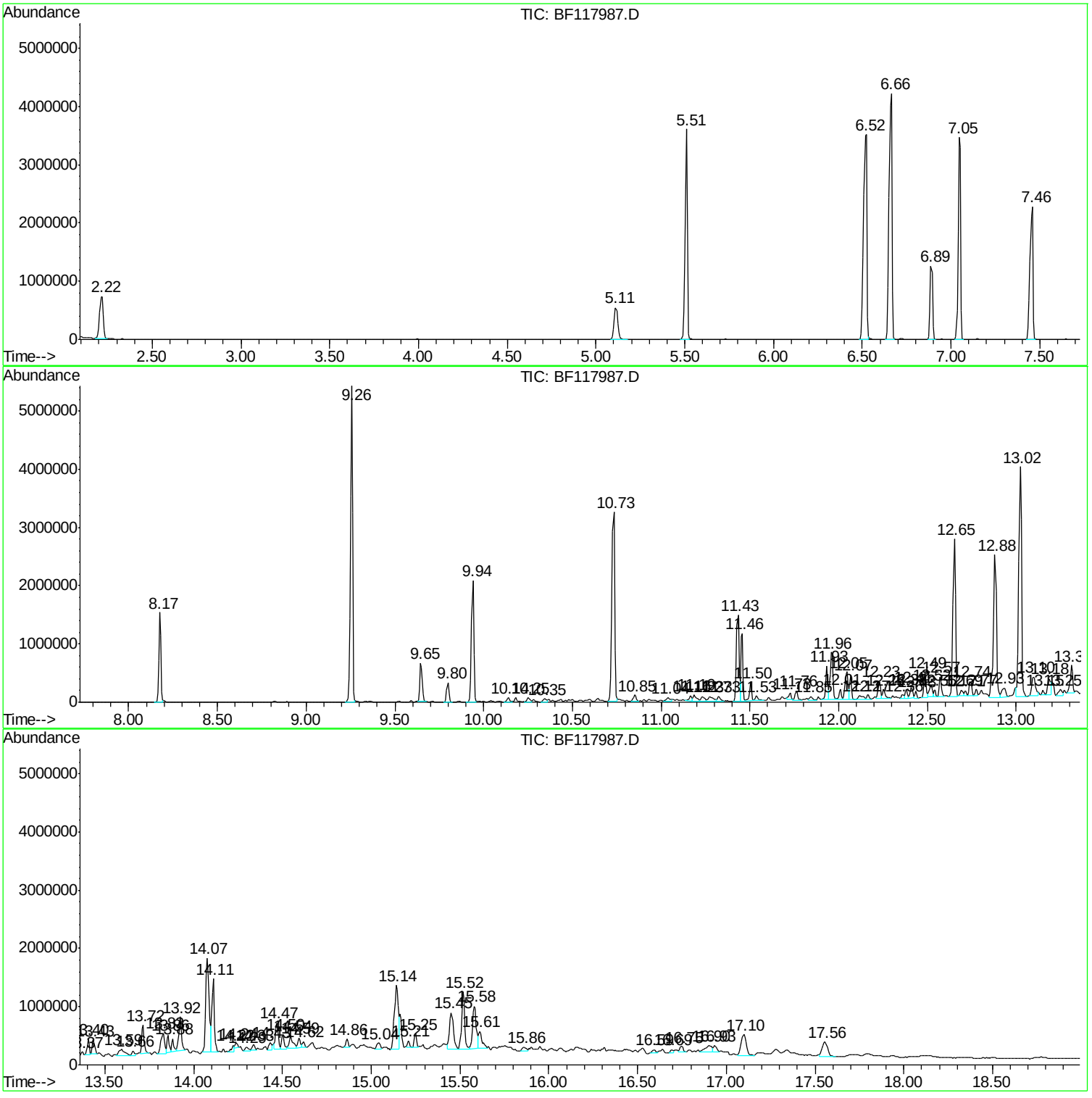
Sample : K5970-03
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-28-S

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

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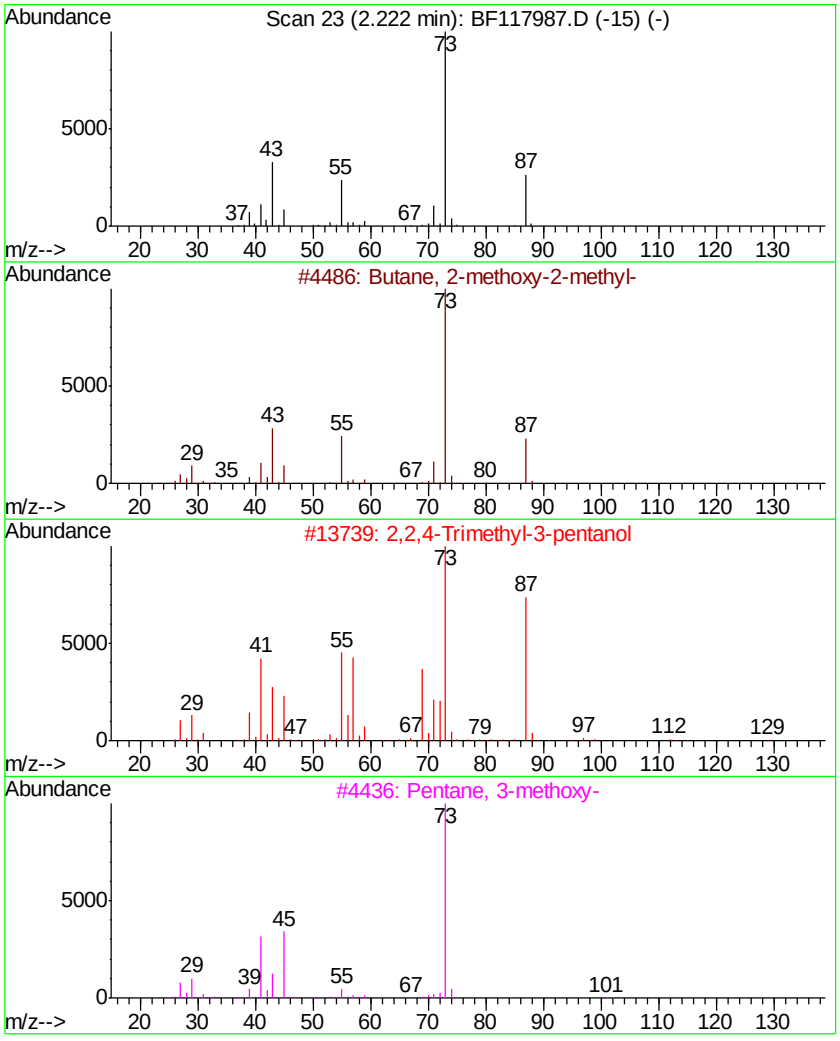
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

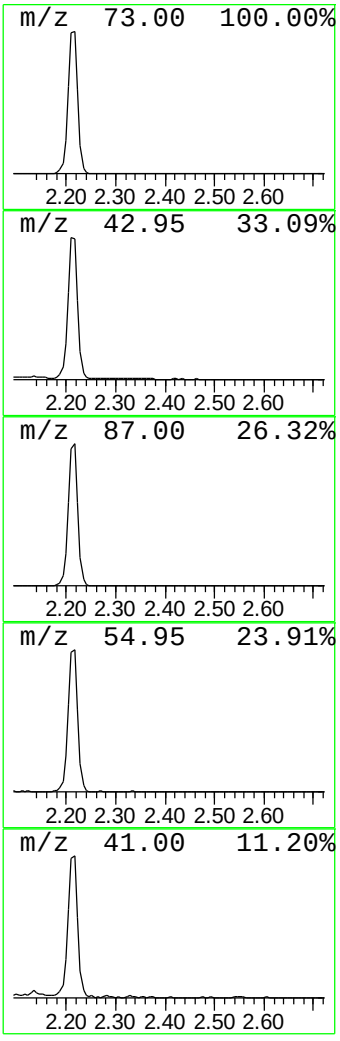
****

Peak Number 1 Butane, 2-methoxy-2-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.22	17.38 ng	973496	1,4-Dichlorobenzene-d4	6.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	78
2	2,2,4-Trimethyl-3-pentanol	130	C8H18O	005162-48-1	40
3	Pentane, 3-methoxy-	102	C6H14O	036839-67-5	17
4	Silane, tetramethyl-	88	C4H12Si	000075-76-3	12
5	N-Ethylformamide	73	C3H7NO	000627-45-2	9





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Instrument : BNA_F
ClientSampleId : TP-28-S

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

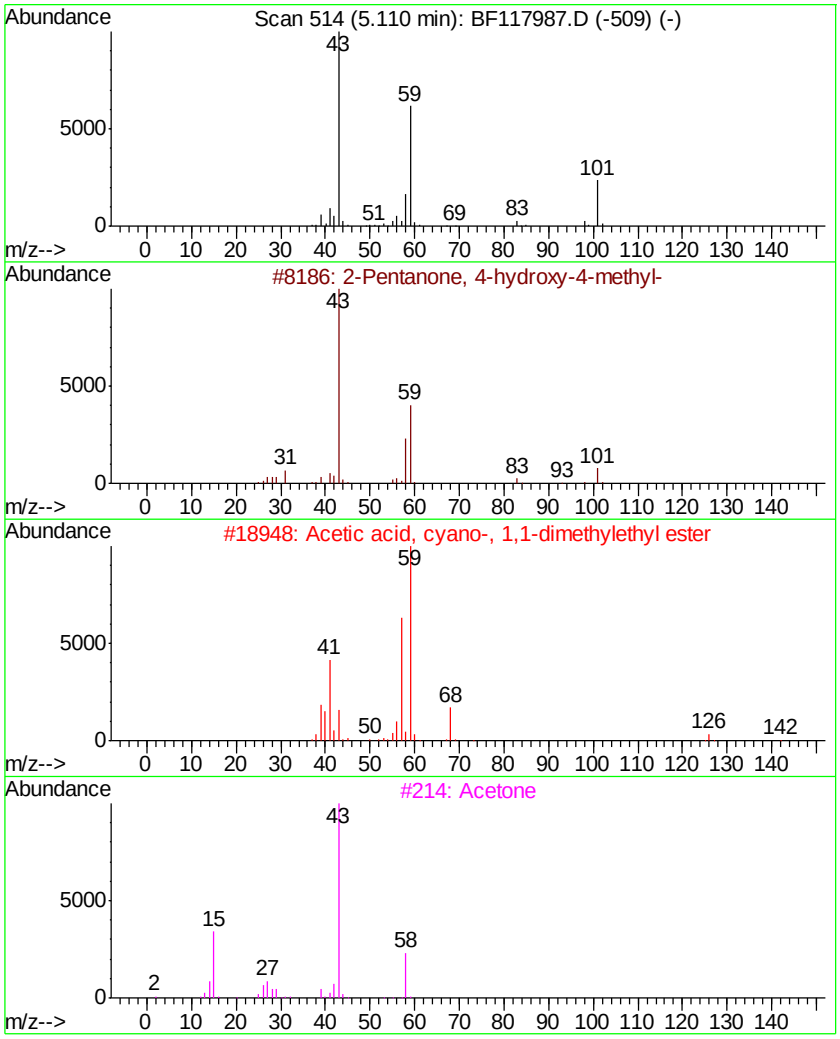
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

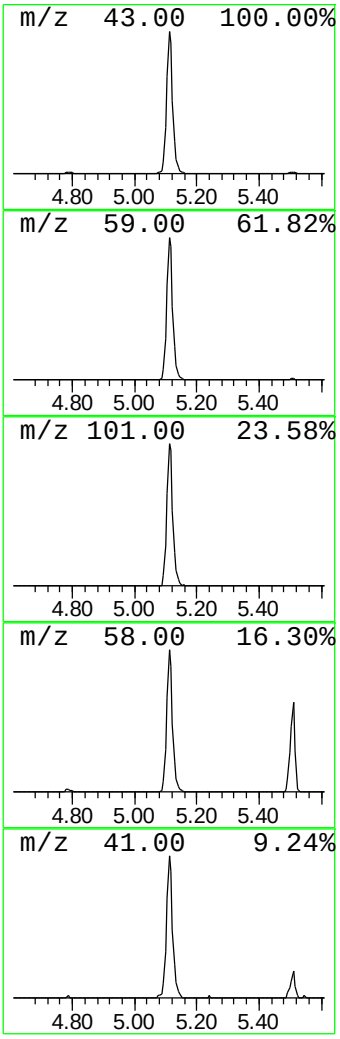
****

Peak Number 2 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.11	13.34 ng	747543	1,4-Dichlorobenzene-d4	6.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	56
2	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	17
3	Acetone	58	C3H6O	000067-64-1	10
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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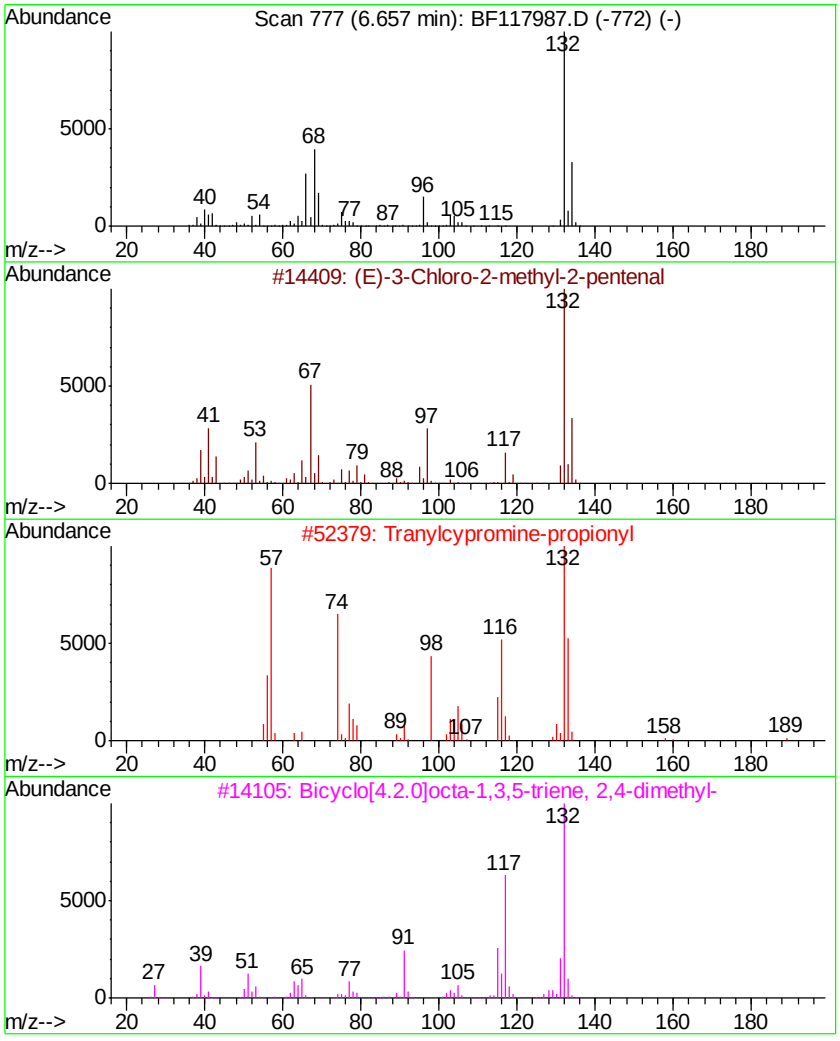
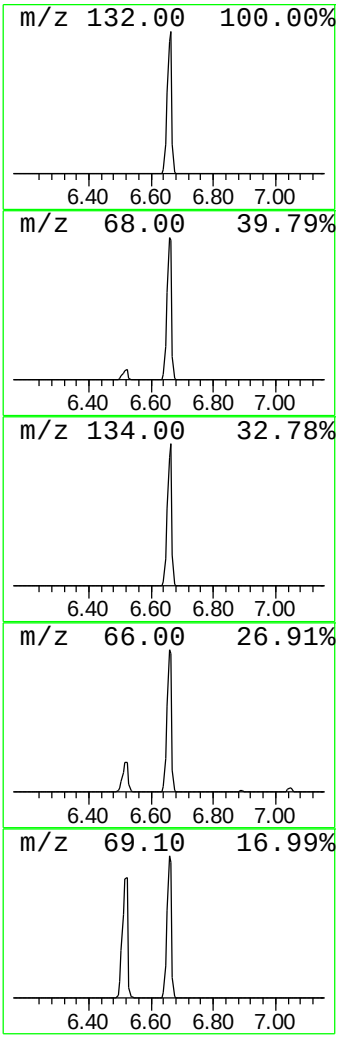
****

Peak Number 3 unknown6.66 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.66	79.20 ng	4436760	1,4-Dichlorobenzene-d4	6.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	25
2	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	16
3	Bicyclo[4.2.0]octa-1,3,5-triene,...	132	C10H12	028749-81-7	9
4	2H-Cyclopenta[d]pyridazine, 2-me...	132	C8H8N2	022291-85-6	9
5	5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	9





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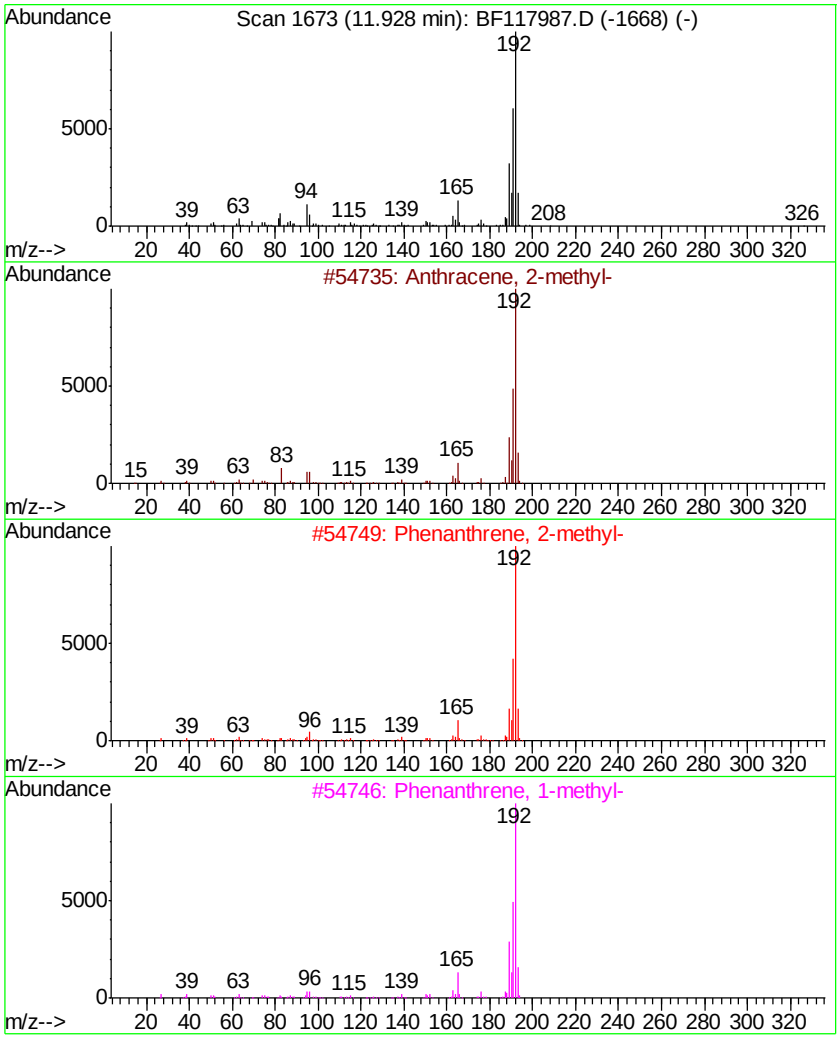
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

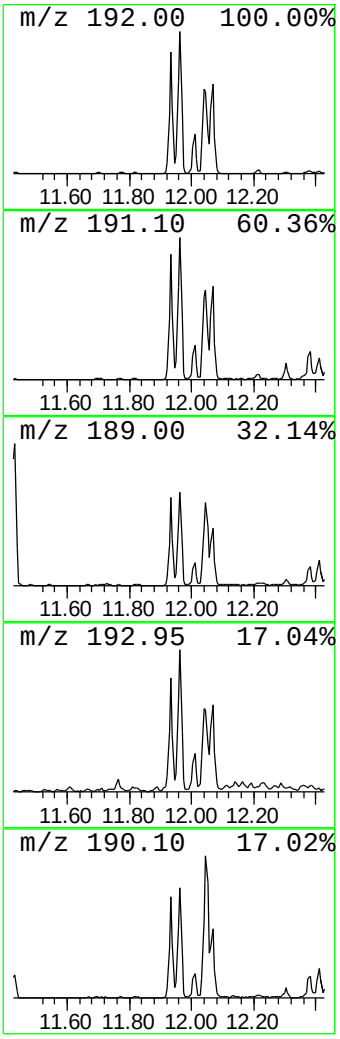
****

Peak Number 5 Anthracene, 2-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.93	7.29 ng	524713	Phenanthrene-d10	11.43

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	91
5	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	90





Library Search Compound Report

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Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-28-S

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

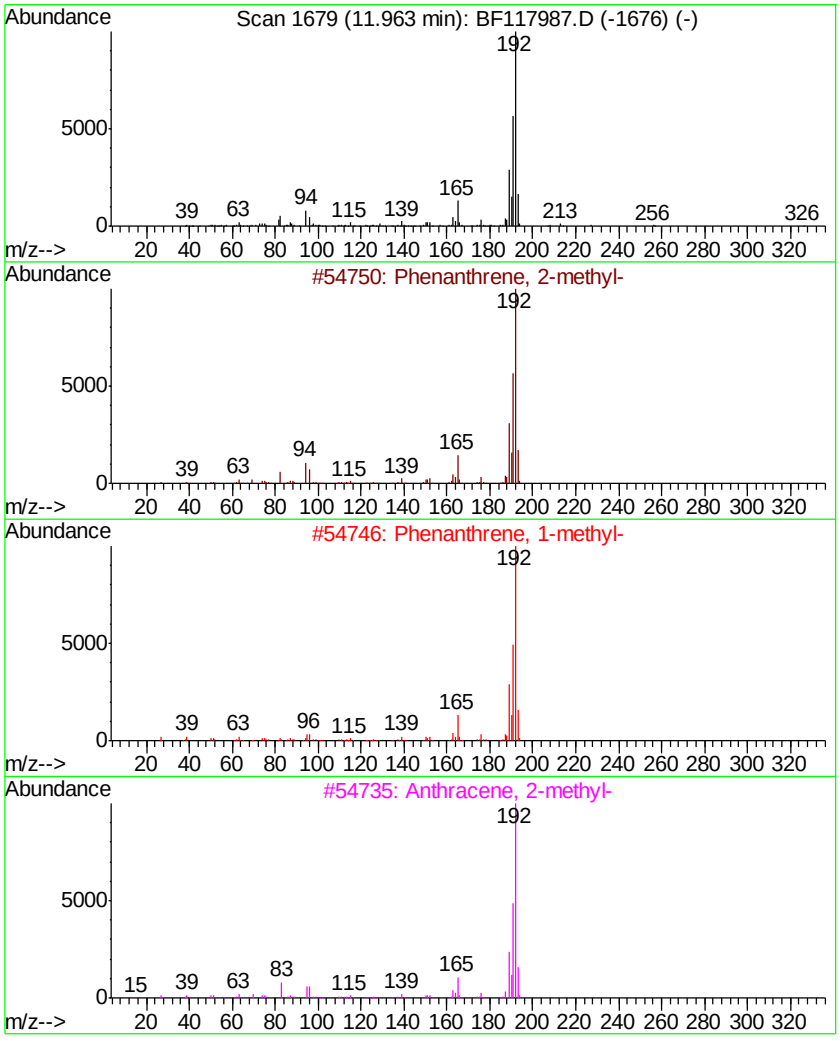
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

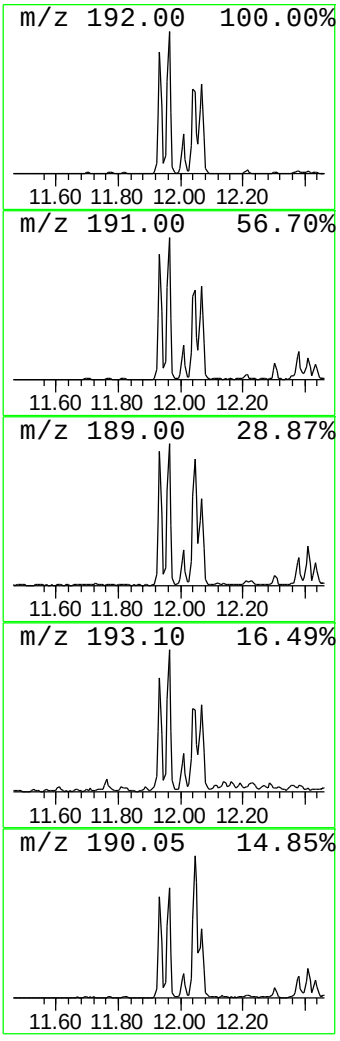
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.96	11.94 ng	859444	Phenanthrene-d10	11.43

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	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	96
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	93





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Acq On : 26 Nov 2019 1:14
Operator : JU
Sample : K5970-03
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-28-S

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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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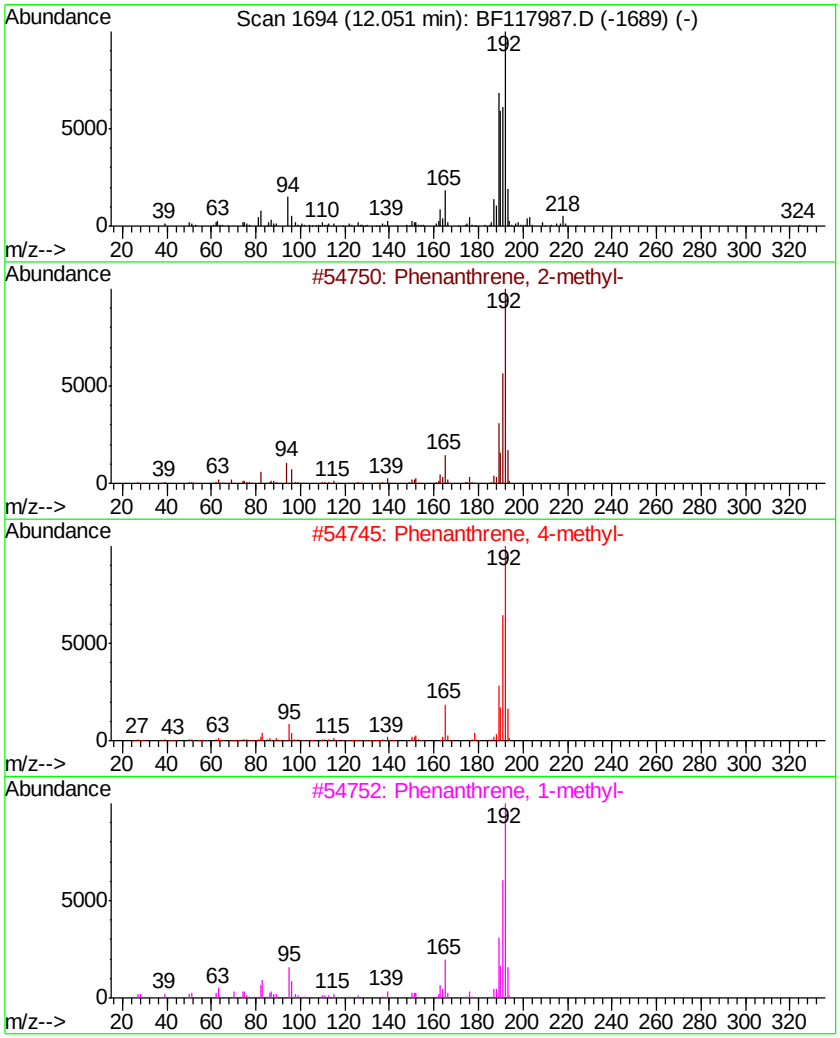
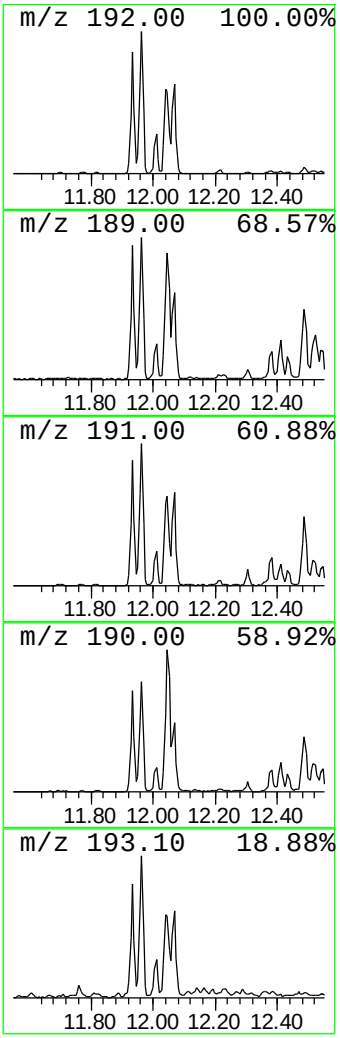
Peak Number 7 Phenanthrene, 4-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.05	7.48 ng	538555	Phenanthrene-d10	11.43

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	89
2	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	83
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	70
4	Naphtho[2,3-b]norbornadiene	192	C15H12	107426-38-0	70
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	64





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ClientSampleId : TP-28-S

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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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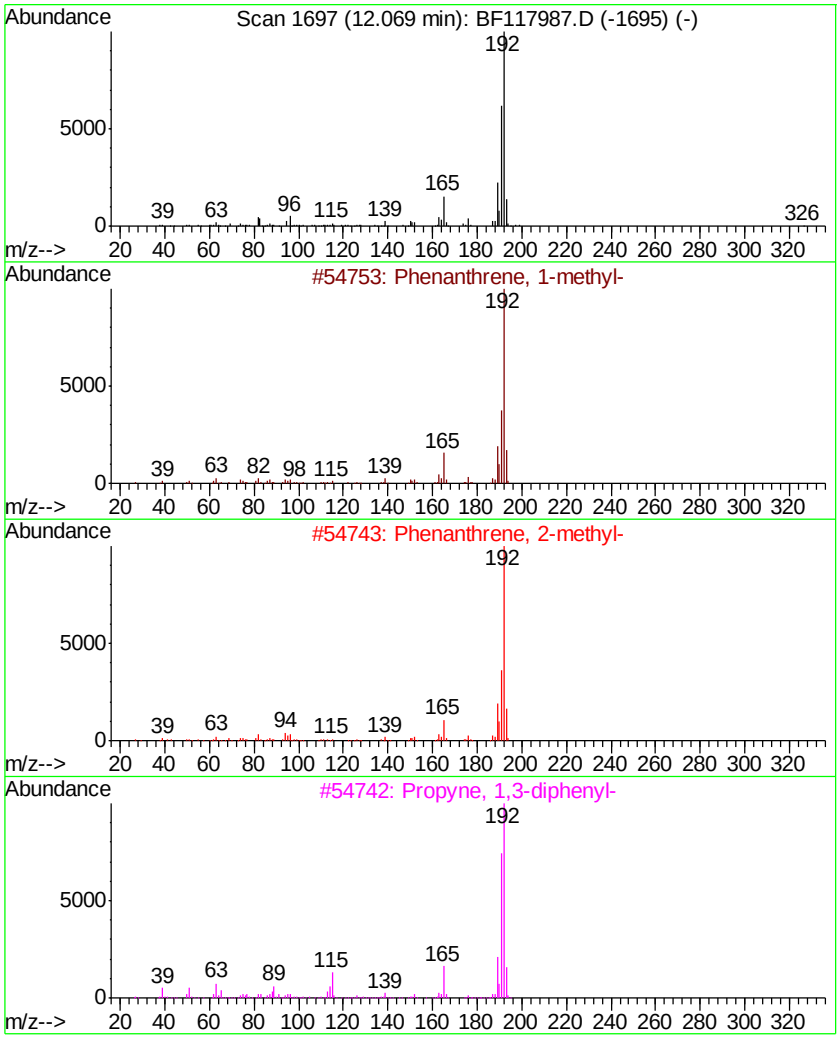
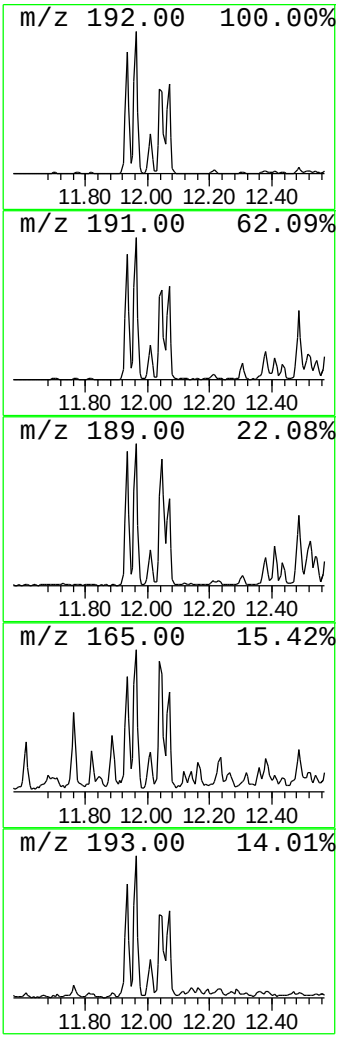
Peak Number 8 Phenanthrene, 1-methyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.07	4.49 ng	323316	Phenanthrene-d10	11.43

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	94
3	Propyne, 1,3-diphenyl-	192	C15H12	004980-70-5	91
4	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	91
5	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	91





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ClientSampleId : TP-28-S

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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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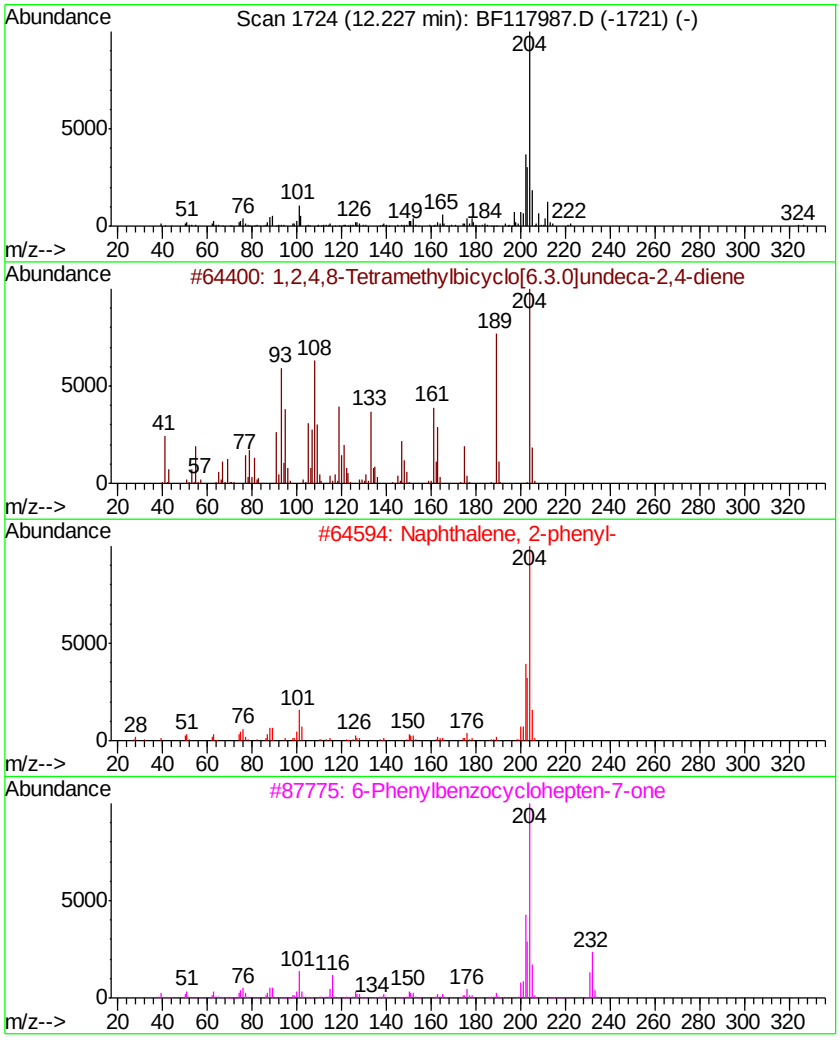
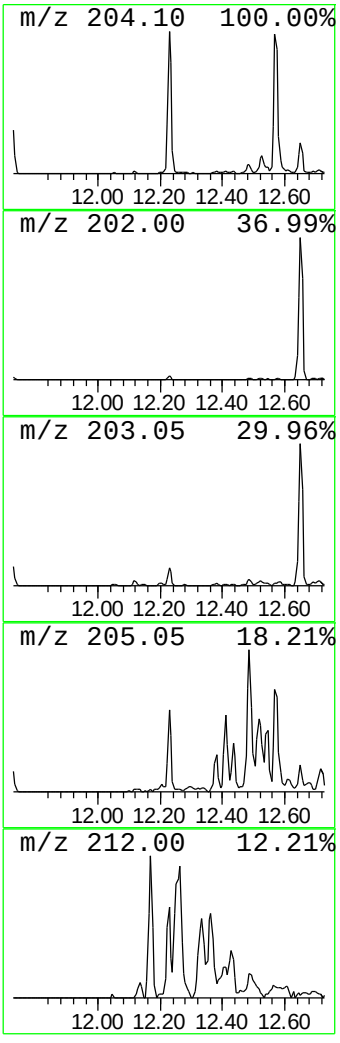
Peak Number 9 1,2,4,8-Tetramethylbicyclo[... Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.23	3.46 ng	249163	Phenanthrene-d10	11.43

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	89
2	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	86
3	6-Phenylbenzocycloheptен-7-one	232	C17H12O	093327-56-1	80
4	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	70
5	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	58





Library Search Compound Report

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

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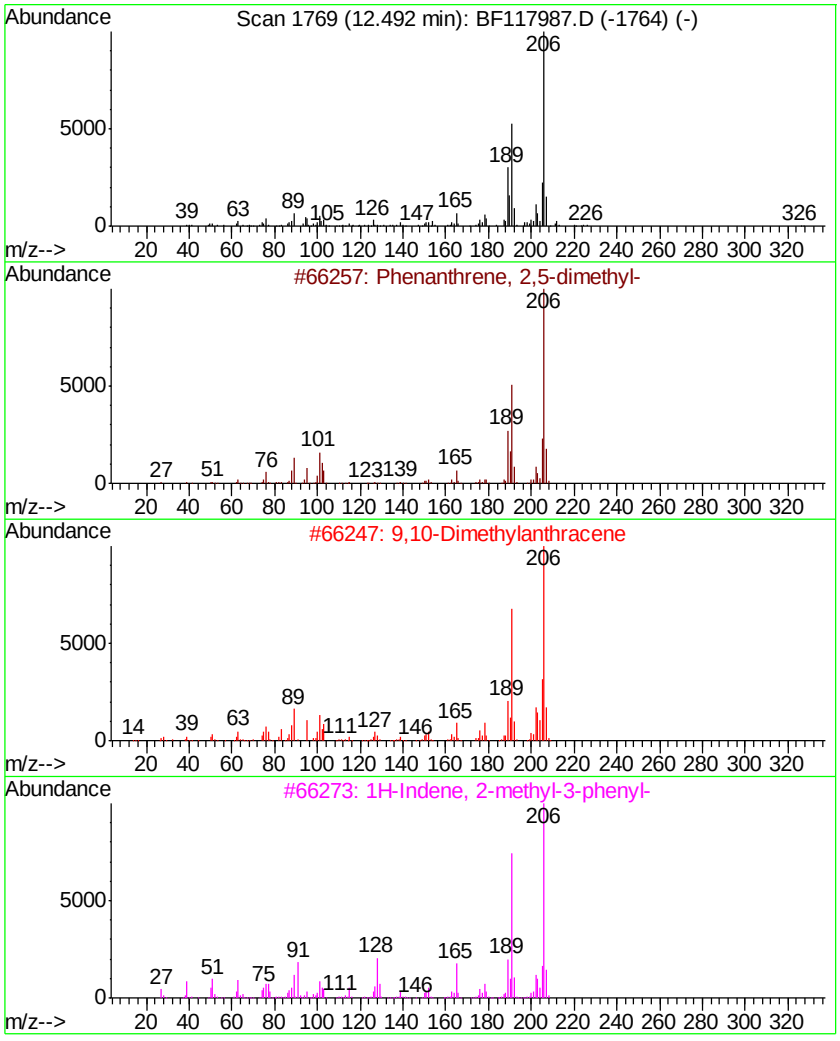
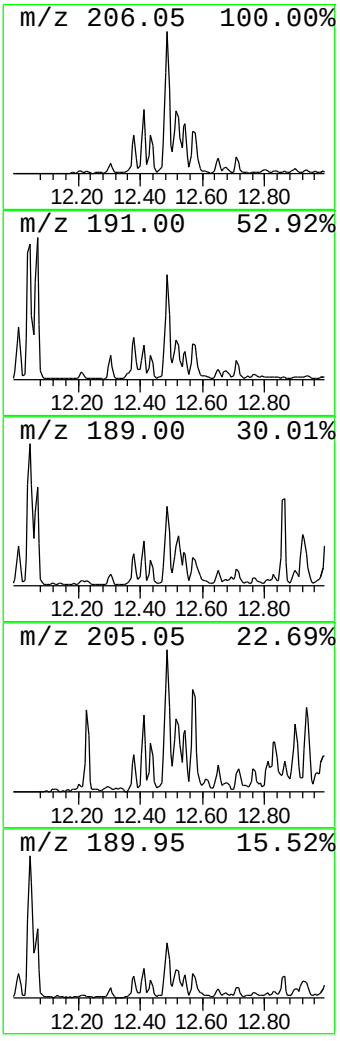
Peak Number 10 Phenanthrene, 2,5-dimethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.49	6.02 ng	433535	Phenanthrene-d10	11.43

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	93
2	9,10-Dimethylanthracene	206	C16H14	000781-43-1	91
3	1H-Indene, 2-methyl-3-phenyl-	206	C16H14	035099-60-6	90
4	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	90
5	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	87





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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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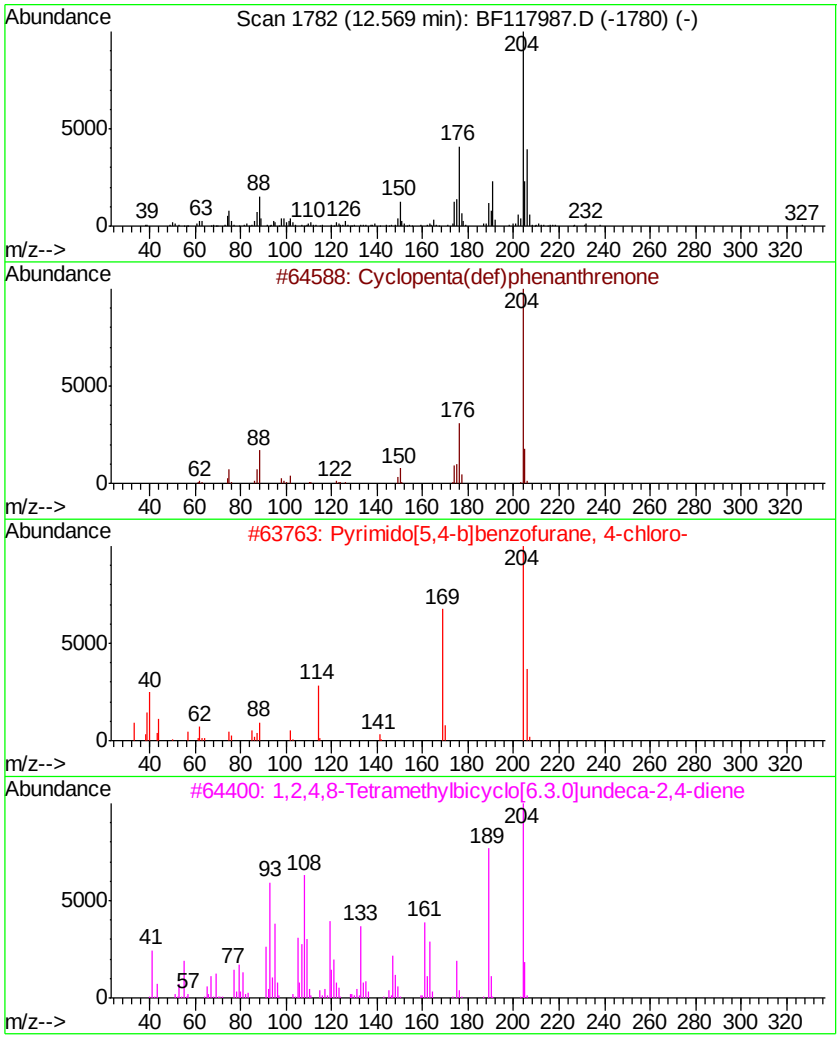
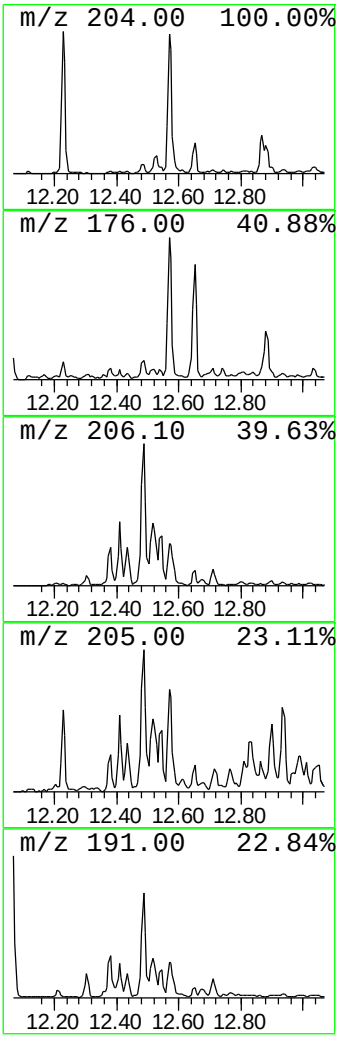
Peak Number 11 Cyclopenta(def)phenanthrenone Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.57	4.50 ng	324157	Phenanthrene-d10	11.43

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	93
2	Pyrimido[5,4-b]benzofurane, 4-ch...	204	C10H5ClN2O	039876-88-5	43
3	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	38
4	[1,1'-Biphenyl]-4-ol, 4'-chloro-	204	C12H9ClO	028034-99-3	38
5	2-Chloro-4-phenylphenol	204	C12H9ClO	000092-04-6	38





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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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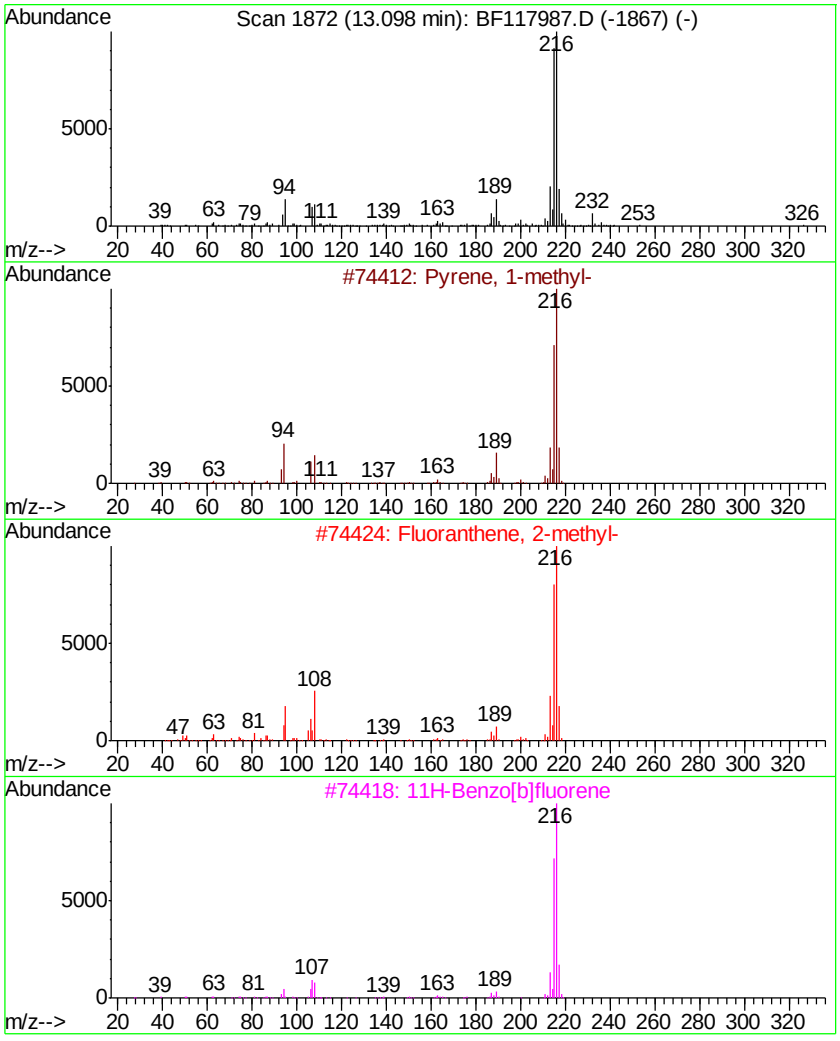
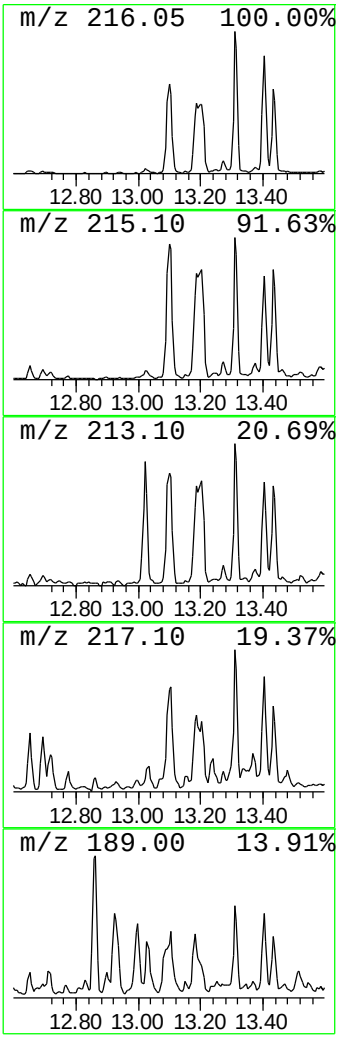
Peak Number 12 Pyrene, 1-methyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.10	4.39 ng	535493	Chrysene-d12	14.08

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	97
2	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	93
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	93
4	Pyrene, 2-methyl-	216	C17H12	003442-78-2	86
5	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	76





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ClientSampleId : TP-28-S

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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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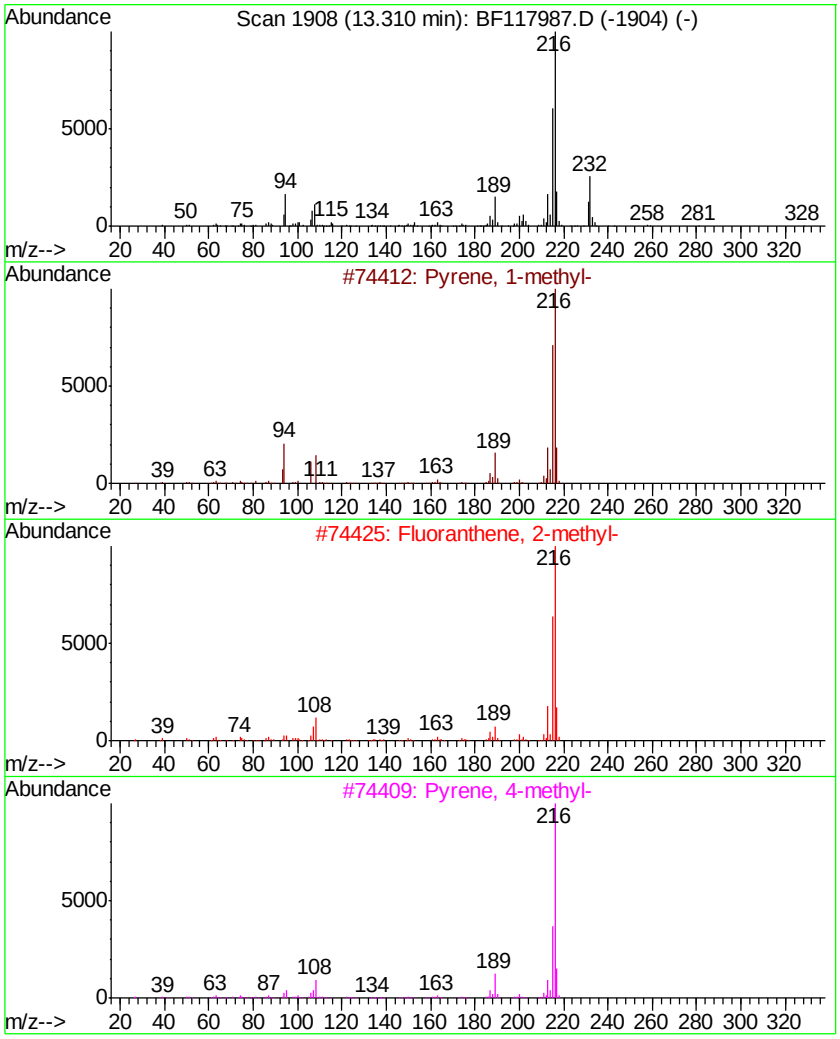
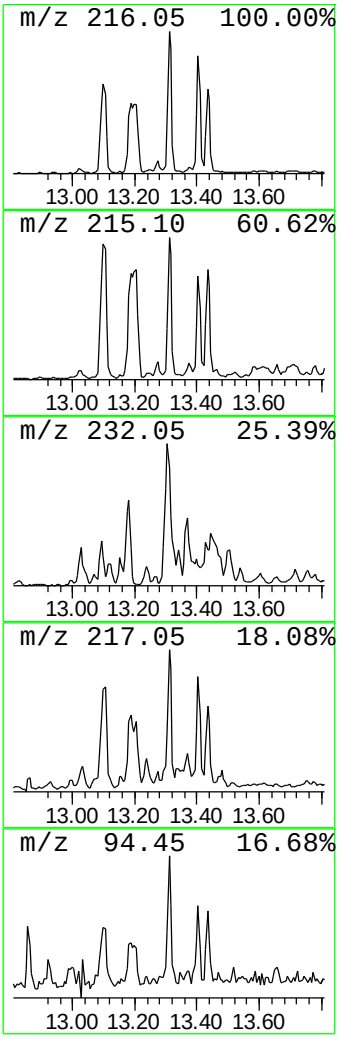
Peak Number 13 Fluoranthene, 2-methyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.31	3.64 ng	443956	Chrysene-d12	14.08

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	98
2	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	96
3	Pyrene, 4-methyl-	216	C17H12	003353-12-6	93
4	Pyrene, 2-methyl-	216	C17H12	003442-78-2	93
5	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	93





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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
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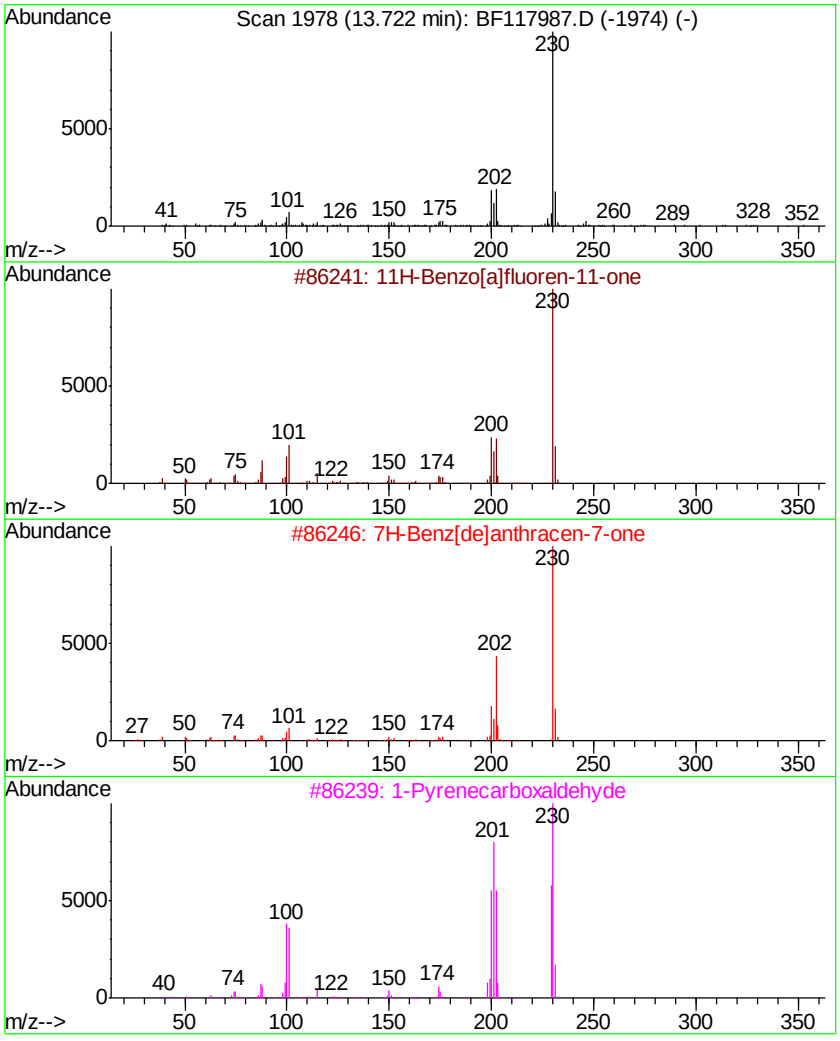
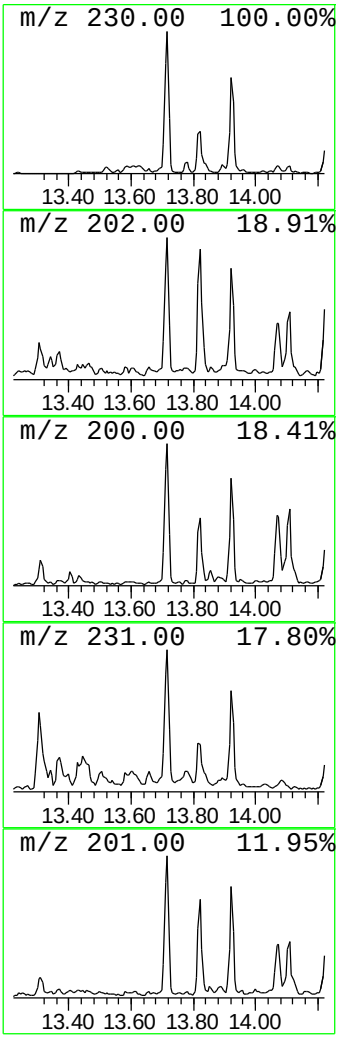
Peak Number 14 11H-Benzo[a]fluoren-11-one Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.72	3.78 ng	461337	Chrysene-d12	14.08

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluoren-11-one	230	C17H10O	000479-79-8	97
2	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	90
3	1-Pyrenecarboxaldehyde	230	C17H10O	003029-19-4	72
4	o-Terphenyl	230	C18H14	000084-15-1	58
5	m-Terphenyl	230	C18H14	000092-06-8	53





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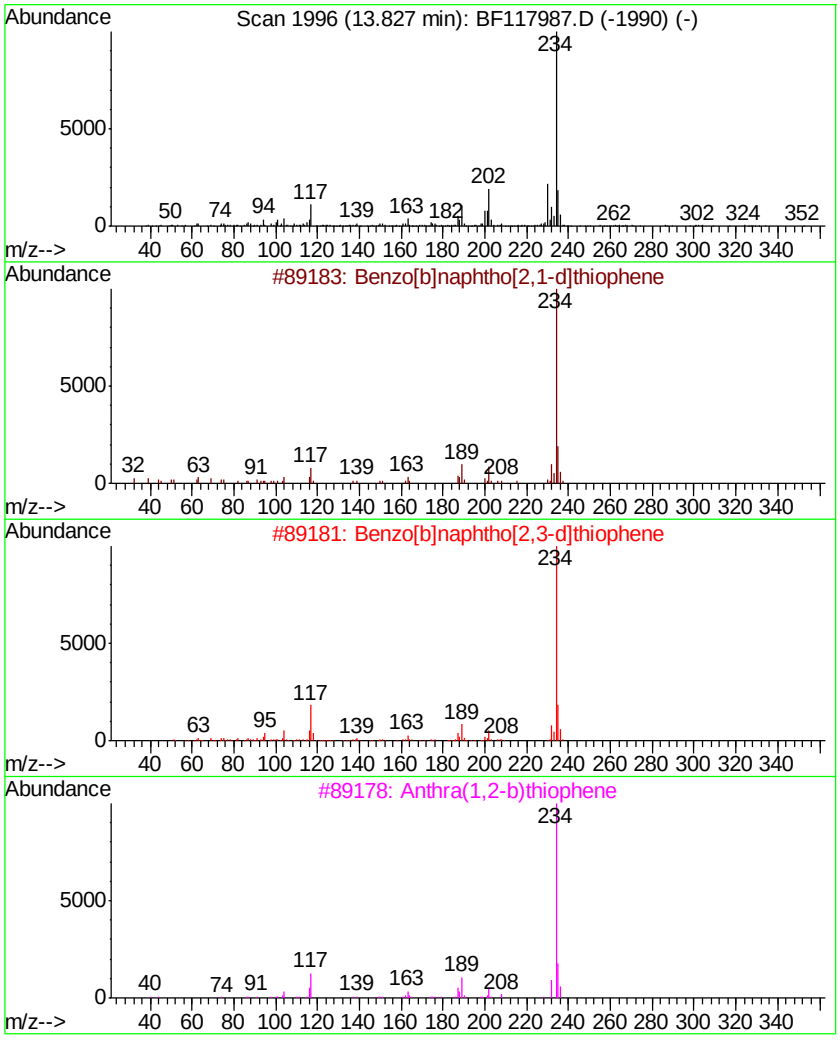
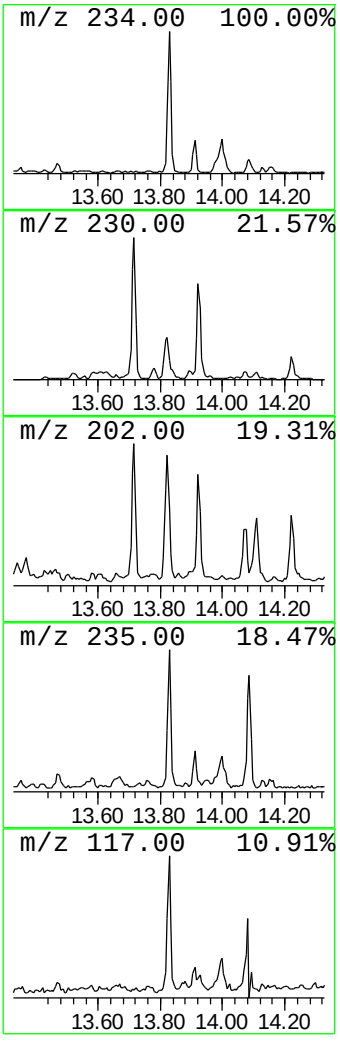
Peak Number 15 Benzo[b]naphtho[2,1-d]thiop... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.83	4.37 ng	532703	Chrysene-d12	14.08

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	94
2	Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	89
3	Anthra(1,2-b)thiophene	234	C16H10S	000227-86-1	68
4	Benzo[b]naphtho[1,2-d]thiophene	234	C16H10S	000205-43-6	62
5	Imidazole, 4-pentafluorophenyl-	234	C9H3F5N2	081769-58-6	46





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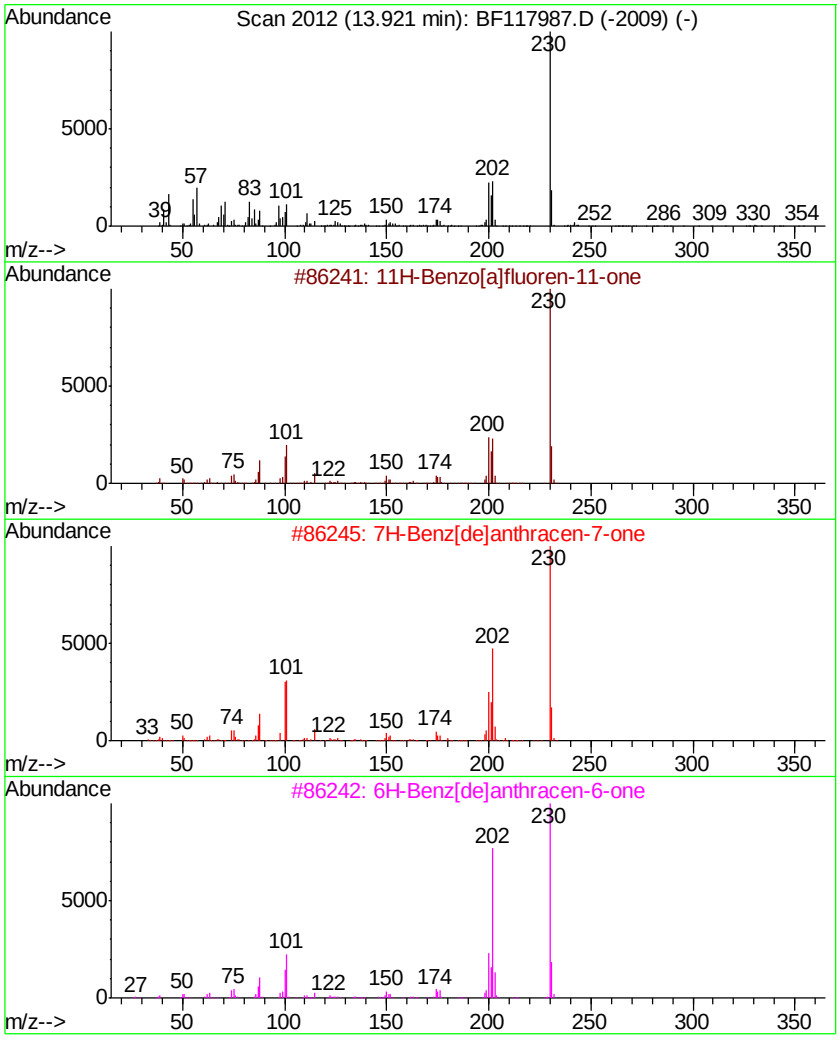
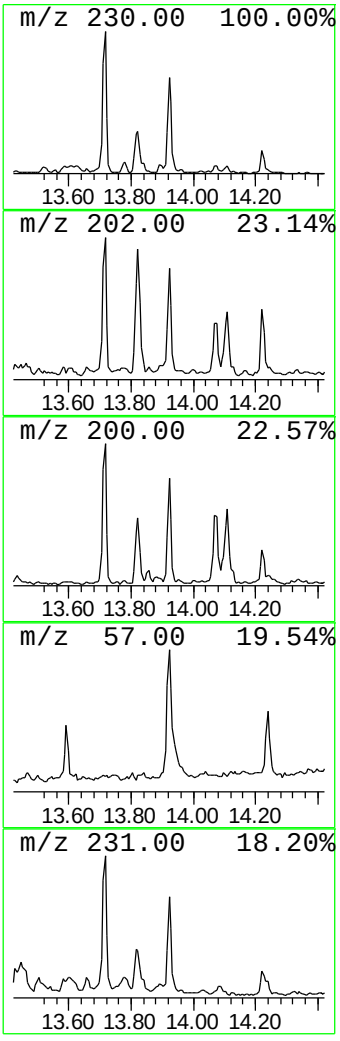
Peak Number 16 7H-Benz[de]anthracen-7-one Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.92	4.79 ng	584691	Chrysene-d12	14.08

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluoren-11-one	230	C17H10O	000479-79-8	97
2	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	83
3	6H-Benz[de]anthracen-6-one	230	C17H10O	080252-14-8	58
4	1-Pyrenecarboxaldehyde	230	C17H10O	003029-19-4	56
5	o-Terphenyl	230	C18H14	000084-15-1	50





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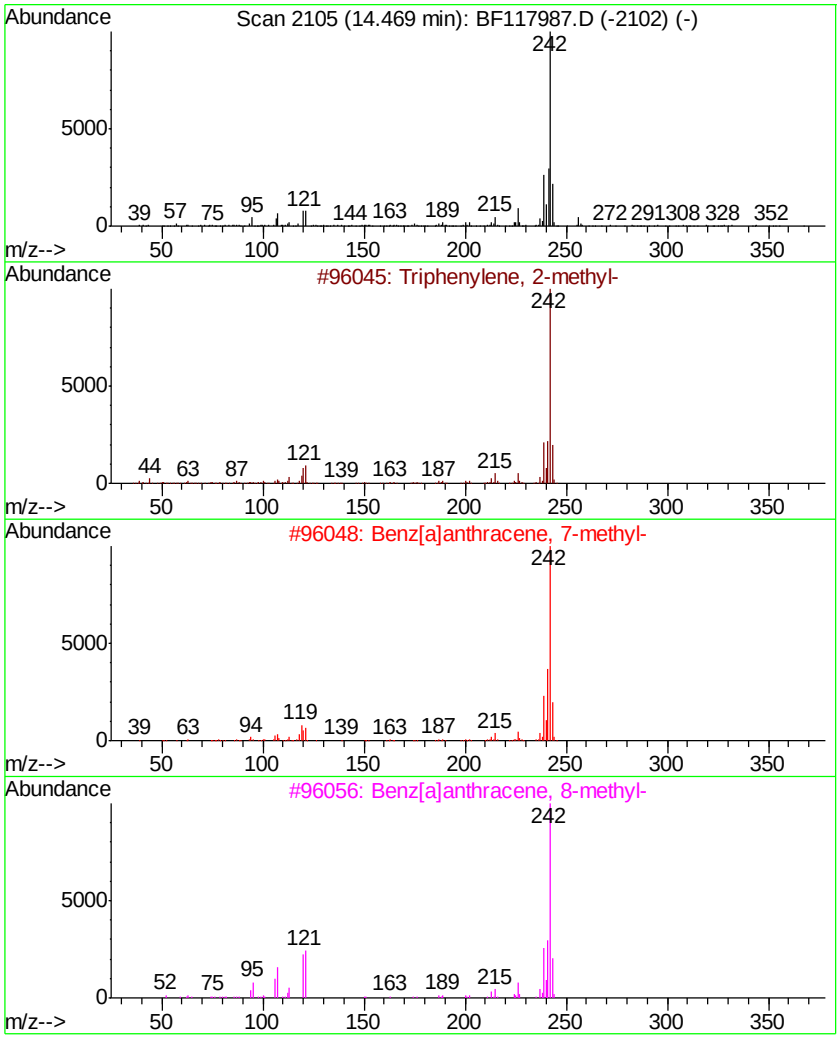
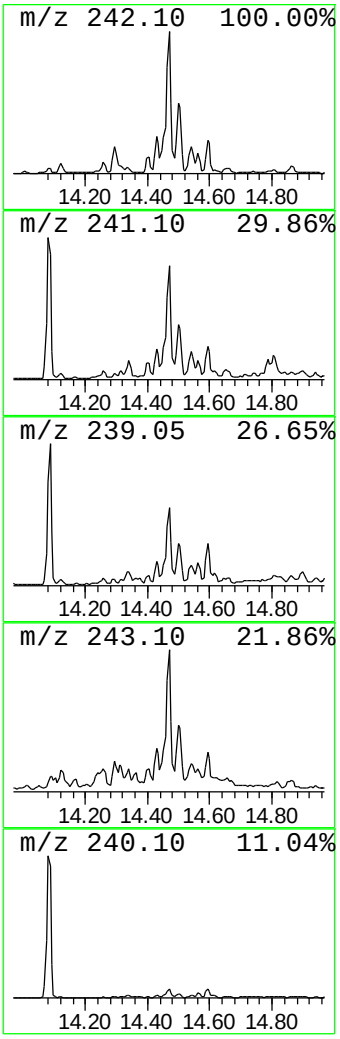
Peak Number 17 Triphenylene, 2-methyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.47	3.66 ng	446227	Chrysene-d12	14.08

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Triphenylene, 2-methyl-	242	C19H14	001705-84-6	95
2	Benz[a]anthracene, 7-methyl-	242	C19H14	002541-69-7	94
3	Benz[a]anthracene, 8-methyl-	242	C19H14	002381-31-9	94
4	Chrysene, 1-methyl-	242	C19H14	003351-28-8	93
5	2-Methylchrysene	242	C19H14	003351-32-4	93





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Sample : K5970-03
Misc :
ALS Vial : 14 Sample Multiplier: 1

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ClientSampleId : TP-28-S

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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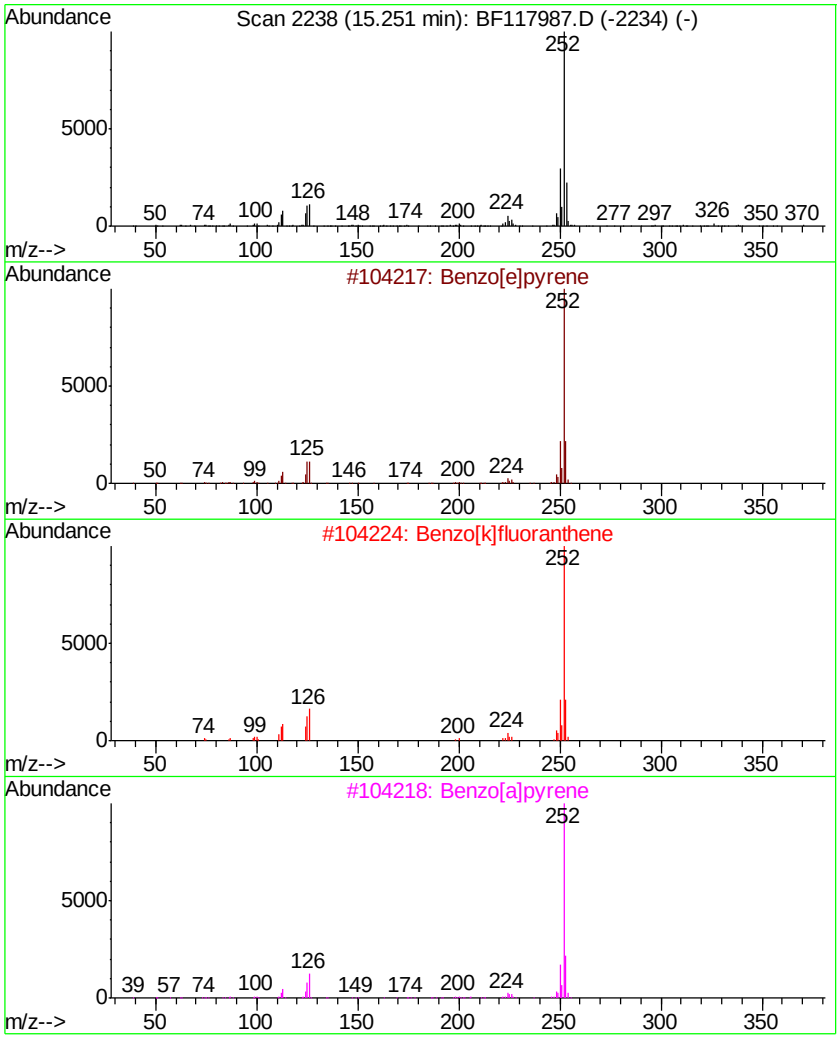
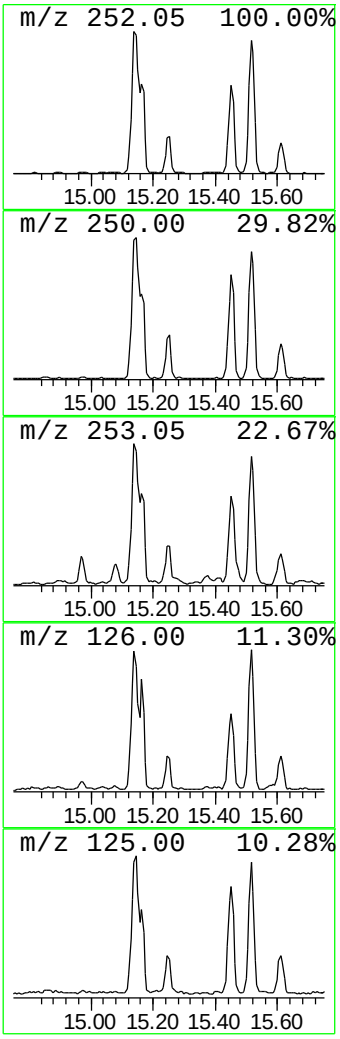
Peak Number 18 Benzo[e]pyrene Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.25	4.79 ng	263061	Perylene-d12	15.58

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	98
3	Benzo[a]pyrene	252	C20H12	000050-32-8	96
4	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	95
5	Perylene	252	C20H12	000198-55-0	90





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF112519\
Data File : BF117987.D
Acq On : 26 Nov 2019 1:14
Operator : JU
Sample : K5970-03
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-28-S

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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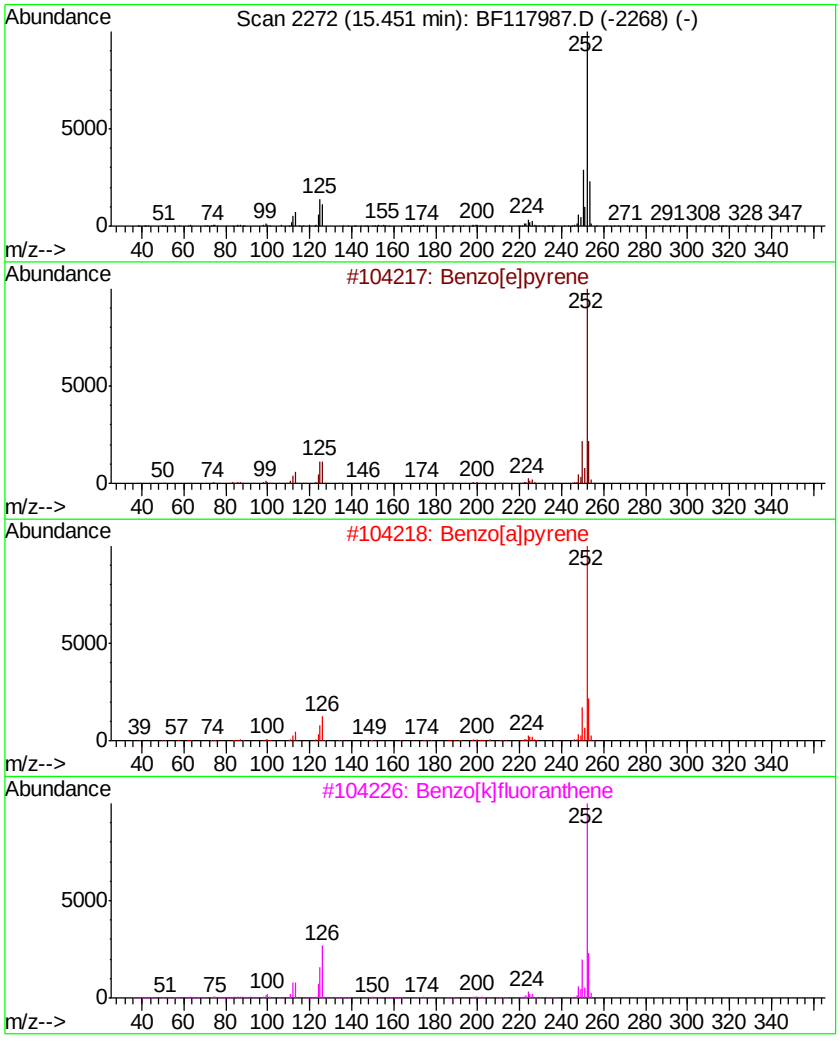
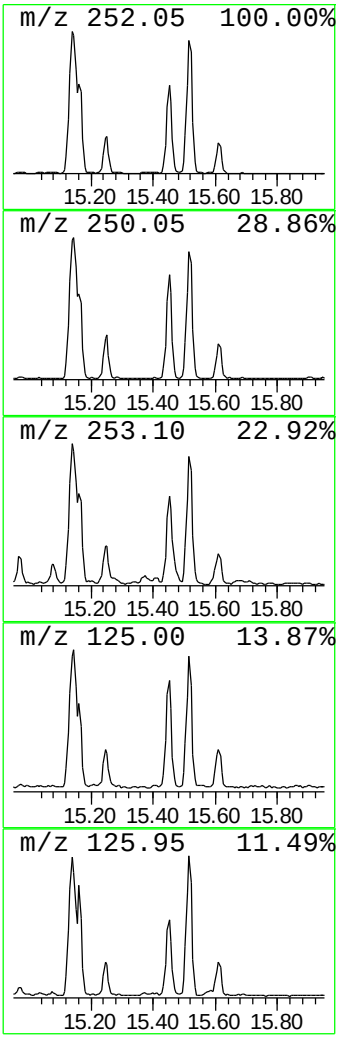
Peak Number 19 Perylene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.45	16.28 ng	894694	Perylene-d12	15.58

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	93
3	Benzo[k]fluoranthene	252	C20H12	000207-08-9	93
4	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	90
5	Perylene	252	C20H12	000198-55-0	89





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF112519\
Data File : BF117987.D
Acq On : 26 Nov 2019 1:14
Operator : JU
Sample : K5970-03
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-28-S

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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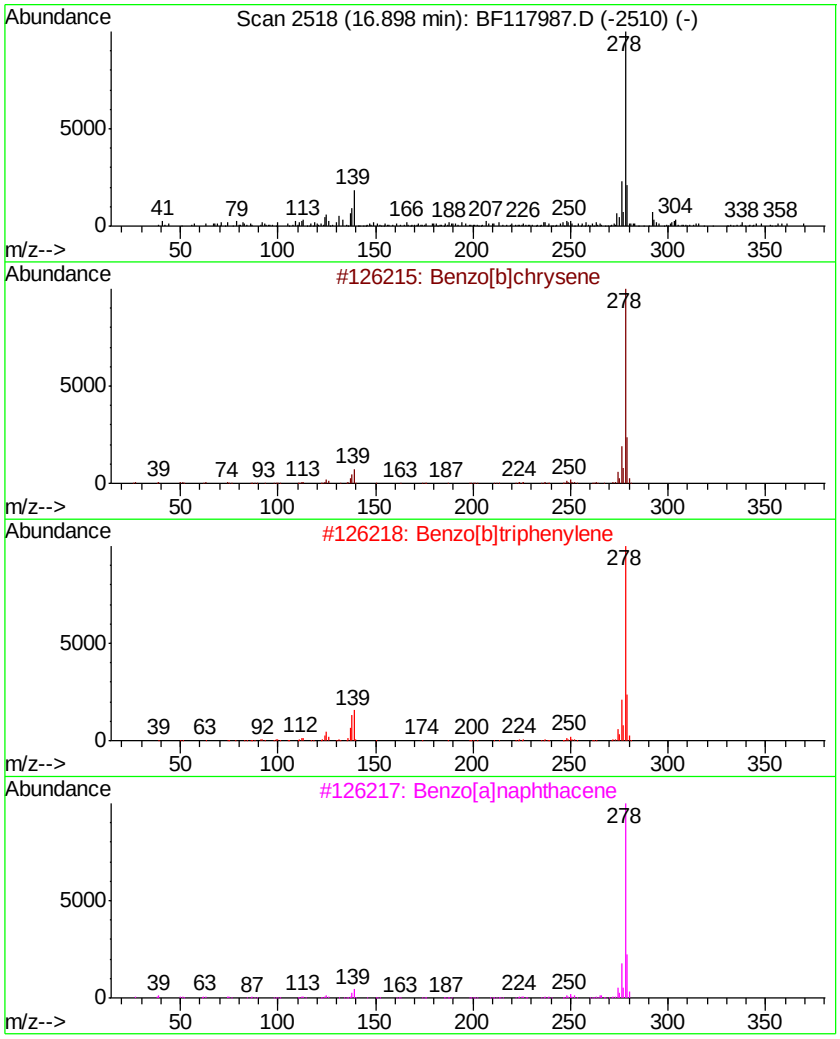
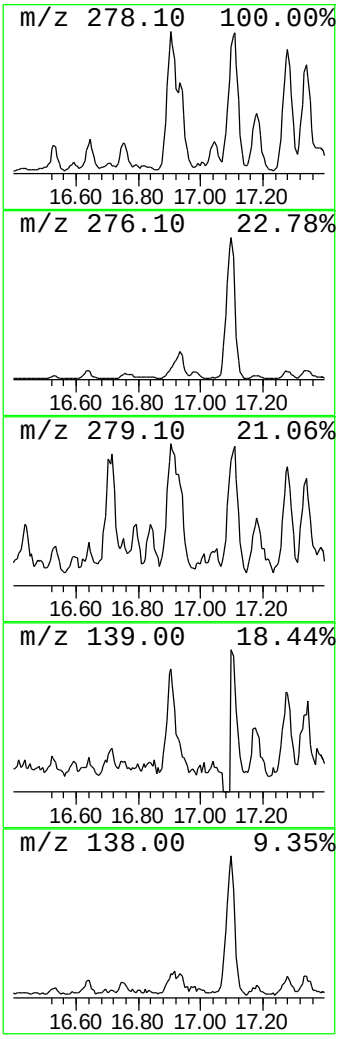
Peak Number 20 Picene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.90	5.37 ng	294898	Perylene-d12	15.58

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]chrysene	278	C22H14	000214-17-5	94
2	Benzo[b]triphenylene	278	C22H14	000215-58-7	93
3	Benzo[a]naphthacene	278	C22H14	000226-88-0	91
4	Pentaphene	278	C22H14	000222-93-5	90
5	Picene	278	C22H14	000213-46-7	90





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF112519\
Data File : BF117987.D
Acq On : 26 Nov 2019 1:14
Operator : JU
Sample : K5970-03
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-28-S

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...	2.22	17.4	ng	973496	1	6.89	1120430	20.0
2-Pentanone, 4-hy...	5.11	13.3	ng	747543	1	6.89	1120430	20.0
unknown6.66	6.66	79.2	ng	4436760	1	6.89	1120430	20.0
Anthracene, 2-met...	11.93	7.3	ng	524713	4	11.43	1440040	20.0
Phenanthrene, 2-m...	11.96	11.9	ng	859444	4	11.43	1440040	20.0
Phenanthrene, 4-m...	12.05	7.5	ng	538555	4	11.43	1440040	20.0
Phenanthrene, 1-m...	12.07	4.5	ng	323316	4	11.43	1440040	20.0
1,2,4,8-Tetrameth...	12.23	3.5	ng	249163	4	11.43	1440040	20.0
Phenanthrene, 2,5...	12.49	6.0	ng	433535	4	11.43	1440040	20.0
Cyclopenta(def)ph...	12.57	4.5	ng	324157	4	11.43	1440040	20.0
Pyrene, 1-methyl-	13.10	4.4	ng	535493	5	14.08	2439930	20.0
Fluoranthene, 2-m...	13.31	3.6	ng	443956	5	14.08	2439930	20.0
11H-Benzo[a]fluor...	13.72	3.8	ng	461337	5	14.08	2439930	20.0
Benzo[b]naphtho[2...	13.83	4.4	ng	532703	5	14.08	2439930	20.0
7H-Benz[de]anthra...	13.92	4.8	ng	584691	5	14.08	2439930	20.0
Triphenylene, 2-m...	14.47	3.7	ng	446227	5	14.08	2439930	20.0
Benzo[e]pyrene	15.25	4.8	ng	263061	6	15.58	1098940	20.0
Perylene	15.45	16.3	ng	894694	6	15.58	1098940	20.0
Picene	16.90	5.4	ng	294898	6	15.58	1098940	20.0