LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP090819\
Data File : BP000117.D
Acq On : 09 Sep 2019 02:46
Operator : HP/JU
Sample : K4716-03
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : TP-20-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_P\METHODS\8270-BP083019.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	2.170	9	14	20	rVB	1505735	1954255	21.28%	1.559%
2	5.511	578	582	585	rBV	6890277	6064710	66.05%	4.839%
3	6.510	747	752	755	rBV	7344891	6446140	70.21%	5.144%
4	6.658	773	777	781	rBV	7657346	6631436	72.22%	5.292%
5	6.893	813	817	820	rBV	3056985	2392615	26.06%	1.909%
6	7.046	840	843	847	rVB	6532715	5399004	58.80%	4.308%
7	7.446	907	911	914	rBV	4885806	3903296	42.51%	3.115%
8	8.169	1031	1034	1037	rBV	3648522	3142334	34.22%	2.507%
9	9.210	1207	1211	1214	rBV	153550	115070	1.25%	0.092%
10	9.252	1214	1218	1221	rBV	10688576	8102941	88.25%	6.466%
11	9.334	1227	1232	1237	rVB2	574976	537657	5.86%	0.429%
12	9.446	1249	1251	1256	rVB	248873	195512	2.13%	0.156%
13	9.575	1270	1273	1276	rBV	5082664	4544625	49.50%	3.626%
14	9.599	1276	1277	1279	rVV	896898	458052	4.99%	0.366%
15	9.640	1282	1284	1288	rVV	1168988	1036057	11.28%	0.827%
16	9.699	1291	1294	1298	rVB2	896212	705786	7.69%	0.563%
17	9.793	1307	1310	1313	rBV2	191809	175790	1.91%	0.140%
18	9.840	1313	1318	1322	rVV3	158809	224925	2.45%	0.179%
19	9.881	1322	1325	1328	rVB2	252181	219230	2.39%	0.175%
20	9.934	1331	1334	1338	rVV	4767821	3837784	41.80%	3.062%
21	9.969	1338	1340	1343	rVB2	349584	264922	2.89%	0.211%
22	10.046	1350	1353	1354	rBV2	184161	165749	1.81%	0.132%
23	10.063	1354	1356	1363	rVB	520496	462740	5.04%	0.369%
24	10.140	1365	1369	1371	rBV	166830	153377	1.67%	0.122%
25	10.163	1371	1373	1379	rVB4	234369	261779	2.85%	0.209%
26	10.481	1424	1427	1434	rVB	311575	302958	3.30%	0.242%
27	10.551	1434	1439	1441	rBV2	171764	172374	1.88%	0.138%
28	10.587	1441	1445	1447	rVV3	159611	155372	1.69%	0.124%
29	10.616	1447	1450	1453	rVB	2882587	2256338	24.57%	1.800%
30	10.722	1465	1468	1473	rVV	5789714	5009809	54.56%	3.998%
31	10.787	1474	1479	1487	rVB2	217107	375206	4.09%	0.299%
32	10.851	1487	1490	1494	rBV3	122260	145873	1.59%	0.116%
33	11.022	1513	1519	1521	rBV3	151362	236269	2.57%	0.189%
34	11.228	1550	1554	1560	rVB	107982	123821	1.35%	0.099%

LSC Area Percent Report

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Sample : K4716-03
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : TP-20-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_P\METHODS\8270-BP083019.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	11.322	1568	1570	1577	rVB	208489	202205	2.20%	0.161%
36	11.393	1577	1582	1585	rBV	166728	165487	1.80%	0.132%
37	11.428	1585	1588	1590	rVV	4565672	3972778	43.27%	3.170%
38	11.451	1590	1592	1596	rVV	2886664	2348927	25.58%	1.874%
39	11.504	1596	1601	1604	rVV	651146	565712	6.16%	0.451%
40	11.540	1604	1607	1611	rVV2	109507	120790	1.32%	0.096%
41	11.651	1622	1626	1630	rBV2	293959	416113	4.53%	0.332%
42	11.763	1643	1645	1650	rVB	130918	103143	1.12%	0.082%
43	11.934	1670	1674	1676	rBV	377449	359111	3.91%	0.287%
44	11.963	1676	1679	1683	rVV	1123455	993418	10.82%	0.793%
45	12.010	1684	1687	1690	rVV	158594	166688	1.82%	0.133%
46	12.051	1690	1694	1696	rVV2	557459	631174	6.87%	0.504%
47	12.069	1696	1697	1702	rVB	261086	178744	1.95%	0.143%
48	12.234	1722	1725	1727	rBV	286871	266885	2.91%	0.213%
49	12.251	1727	1728	1736	rVB2	219926	180682	1.97%	0.144%
50	12.493	1765	1769	1772	rBV	219207	227402	2.48%	0.181%
51	12.528	1772	1775	1777	rVV3	126502	179421	1.95%	0.143%
52	12.575	1780	1783	1788	rVB3	118101	153478	1.67%	0.122%
53	12.651	1793	1796	1800	rBV	3709629	3169908	34.52%	2.529%
54	12.751	1810	1813	1816	rBV3	195647	194328	2.12%	0.155%
55	12.804	1820	1822	1827	rVV	142813	143430	1.56%	0.114%
56	12.887	1830	1836	1839	rVV	2664013	2987024	32.53%	2.384%
57	12.934	1842	1844	1849	rVB2	130198	144533	1.57%	0.115%
58	13.004	1853	1856	1857	rBV	168499	141036	1.54%	0.113%
59	13.034	1857	1861	1864	rVV	10199935	9181688	100.00%	7.327%
60	13.104	1868	1873	1876	rBV2	191698	340655	3.71%	0.272%
61	13.192	1885	1888	1889	rBV2	149219	140594	1.53%	0.112%
62	13.216	1889	1892	1895	rVB	560925	493426	5.37%	0.394%
63	13.281	1900	1903	1906	rVB	373411	336011	3.66%	0.268%
64	13.322	1906	1910	1912	rBV2	293266	290054	3.16%	0.231%
65	13.357	1912	1916	1923	rVV3	572334	651861	7.10%	0.520%
66	13.416	1923	1926	1929	rVB	193731	152040	1.66%	0.121%
67	13.445	1929	1931	1932	rBV	170337	123405	1.34%	0.098%
68	13.475	1932	1936	1938	rVV	5800714	4966589	54.09%	3.963%
69	13.498	1938	1940	1948	rVB2	678362	839984	9.15%	0.670%
70	13.728	1976	1979	1984	rVB	182501	243607	2.65%	0.194%
71	13.840	1994	1998	2001	rBV3	281096	367386	4.00%	0.293%

LSC Area Percent Report

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Sample : K4716-03
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : TP-20-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_P\METHODS\8270-BP083019.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	13.869	2001	2003	2005	rVV	193977	171903	1.87%	0.137%
73	13.892	2005	2007	2011	rVV2	161502	229051	2.49%	0.183%
74	13.940	2011	2015	2019	rVV3	1477428	1598626	17.41%	1.276%
75	13.975	2019	2021	2025	rVB2	283046	308050	3.36%	0.246%
76	14.092	2036	2041	2044	rBV2	4516722	5627120	61.29%	4.490%
77	14.122	2044	2046	2048	rVB	1366090	1017350	11.08%	0.812%
78	14.204	2058	2060	2063	rVB	271343	221995	2.42%	0.177%
79	14.275	2070	2072	2076	rVB2	208883	239685	2.61%	0.191%
80	14.316	2076	2079	2083	rBV2	176572	222071	2.42%	0.177%
81	14.357	2083	2086	2088	rBV2	236432	240863	2.62%	0.192%
82	14.487	2104	2108	2112	rBV3	329457	612898	6.68%	0.489%
83	14.534	2112	2116	2120	rVV2	1422974	1607088	17.50%	1.282%
84	14.581	2122	2124	2127	rVB2	369681	341714	3.72%	0.273%
85	14.681	2137	2141	2147	rBV5	159660	367889	4.01%	0.294%
86	14.904	2177	2179	2187	rVB3	196267	316626	3.45%	0.253%
87	15.163	2219	2223	2227	rBV	1043574	1656339	18.04%	1.322%
88	15.275	2238	2242	2250	rVB2	297667	510956	5.56%	0.408%
89	15.481	2274	2277	2284	rVB	743015	984939	10.73%	0.786%
90	15.545	2284	2288	2295	rVB	978397	1371020	14.93%	1.094%
91	15.616	2295	2300	2304	rBV	2939186	3715631	40.47%	2.965%
92	16.145	2387	2390	2393	rVB	136826	159710	1.74%	0.127%
93	17.151	2556	2561	2570	rVB2	415613	838415	9.13%	0.669%
94	17.616	2635	2640	2650	rVB	324360	644913	7.02%	0.515%

Sum of corrected areas: 125318375

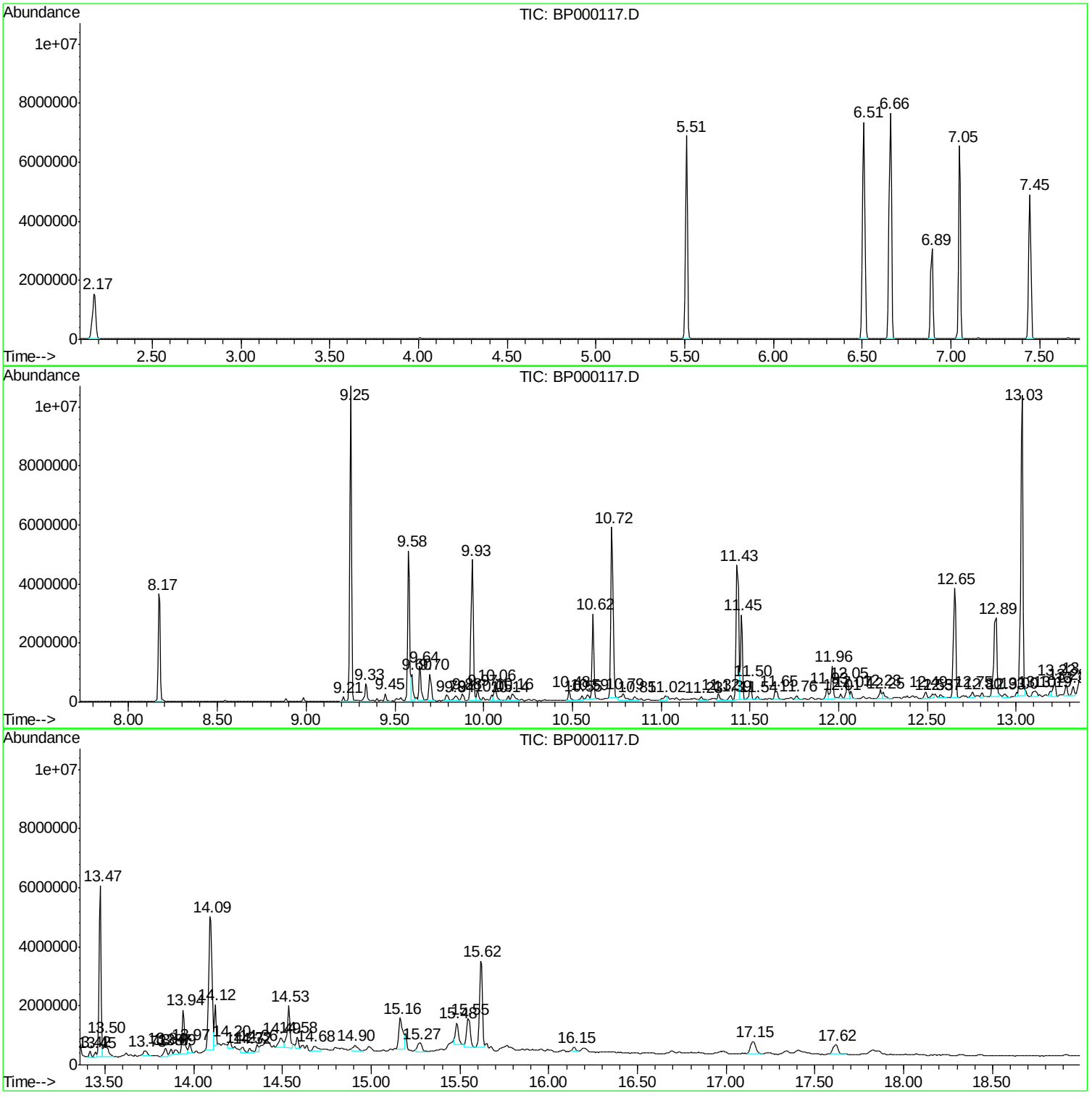
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP090819\
Data File : BP000117.D
Acq On : 09 Sep 2019 02:46
Operator : HP/JU
Sample : K4716-03
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : TP-20-S

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP083019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP090819\
Data File : BP000117.D
Acq On : 09 Sep 2019 02:46
Operator : HP/JU
Sample : K4716-03
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : TP-20-S

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP083019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

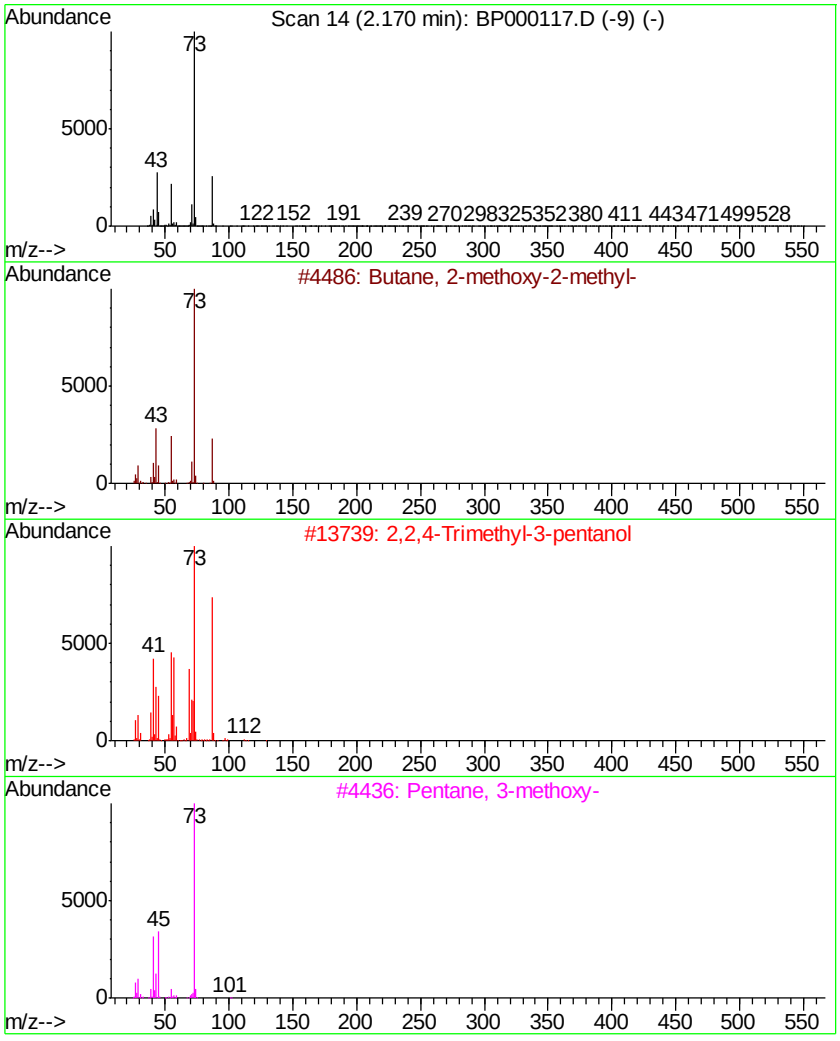
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

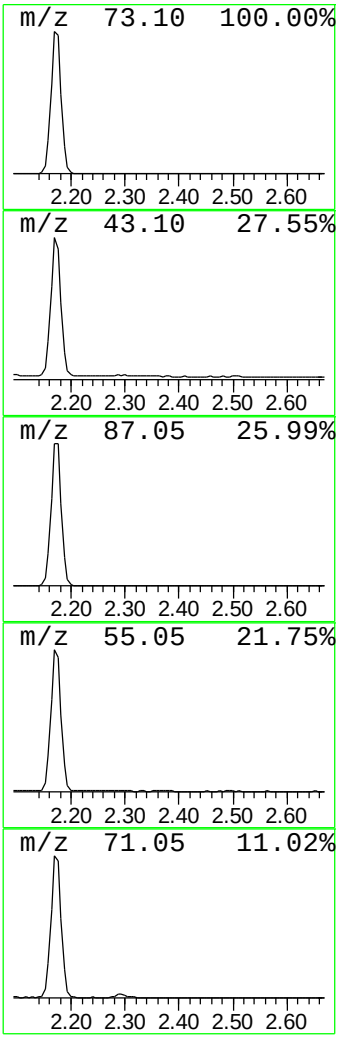
****

Peak Number 1 Butane, 2-methoxy-2-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.17	16.34 ng	1954260	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	83
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	9
5	Acetamide, N-ethyl-	87	C4H9NO	000625-50-3	9





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Operator : HP/JU
Sample : K4716-03
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : TP-20-S

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP083019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

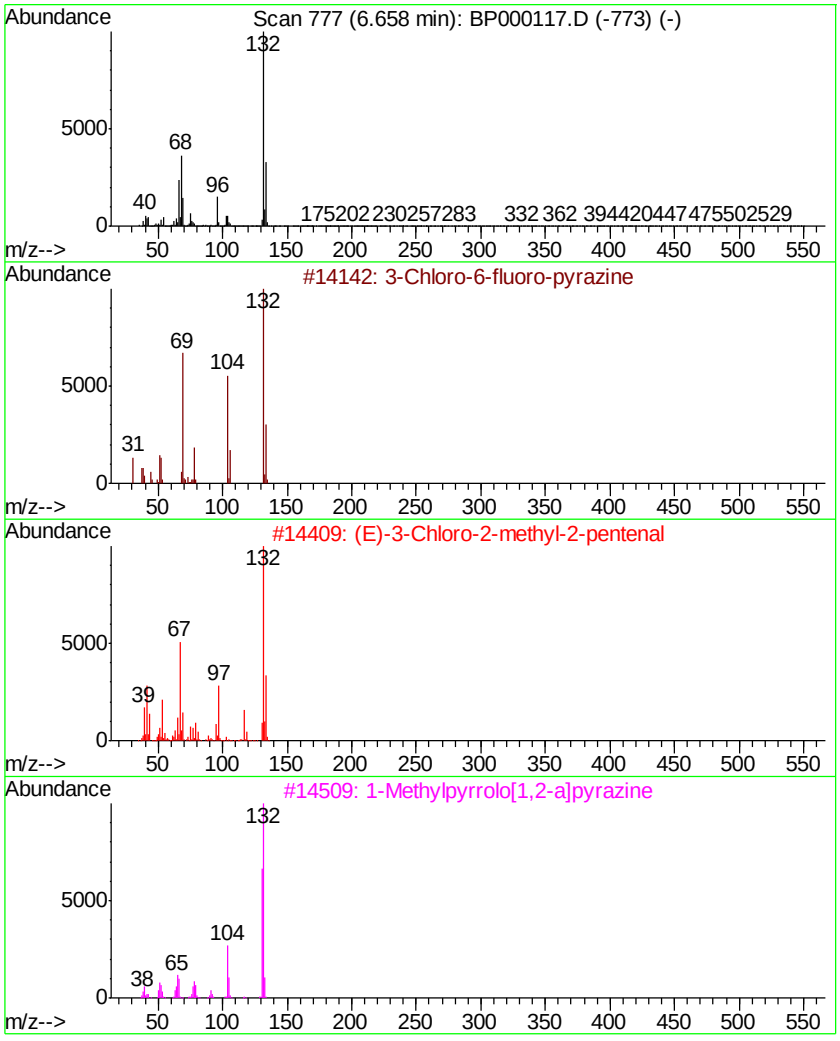
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

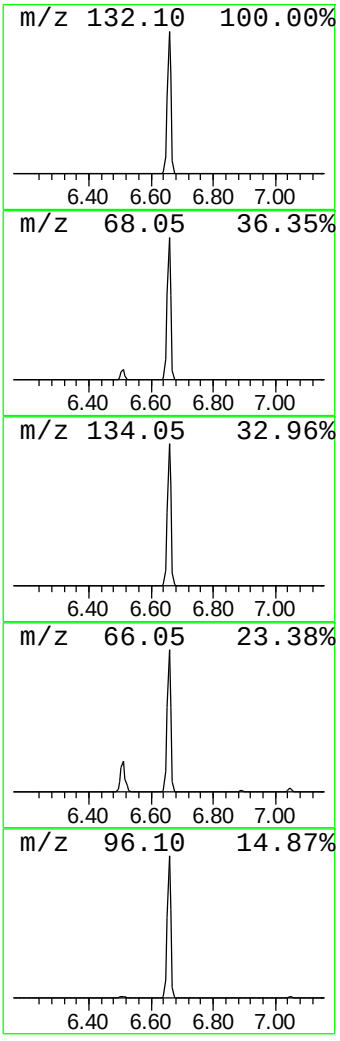
****

Peak Number 2 unknown6.66 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.66	55.43 ng	6631440	1,4-Dichlorobenzene-d4	6.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	35
2	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	17
3	1-Methylpyrrolo[1,2-a]pyrazine	132	C8H8N2	064608-59-9	9
4	1H-Benzimidazole, 2-methyl-	132	C8H8N2	000615-15-6	9
5	4-Chloro-6-fluoro-pyrimidine	132	C4H2ClFN2	051422-01-6	9





Library Search Compound Report

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ClientSampleId : TP-20-S

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP083019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

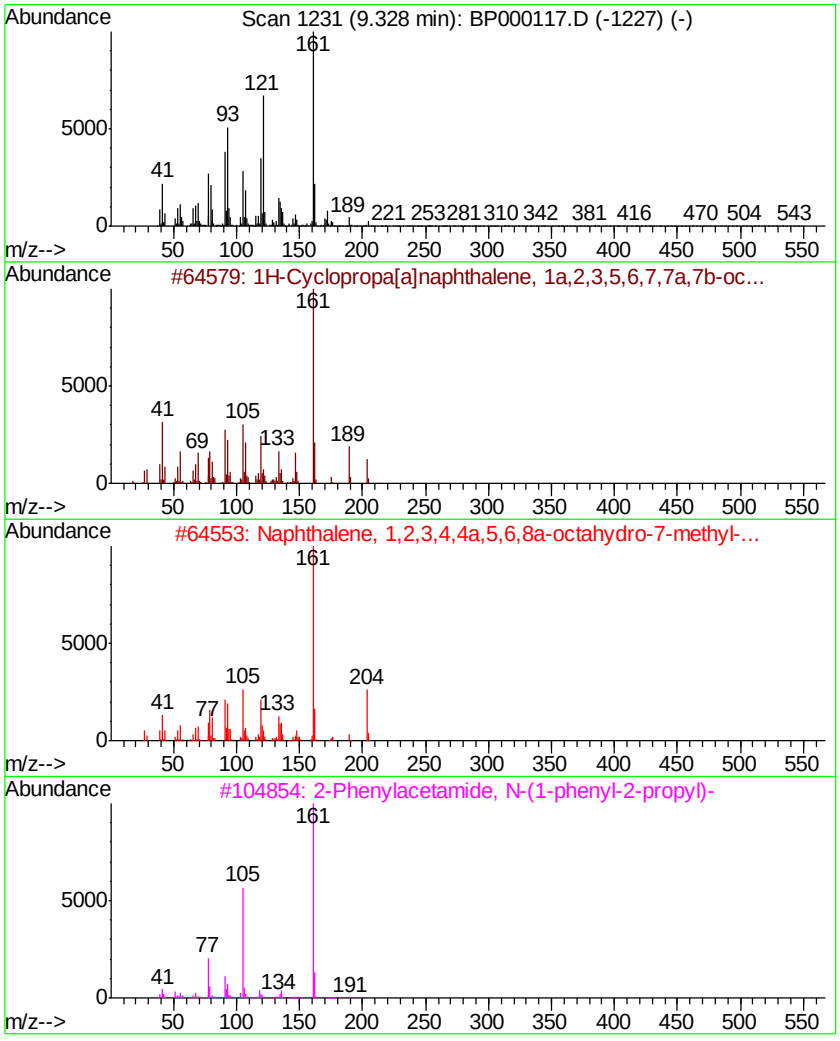
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

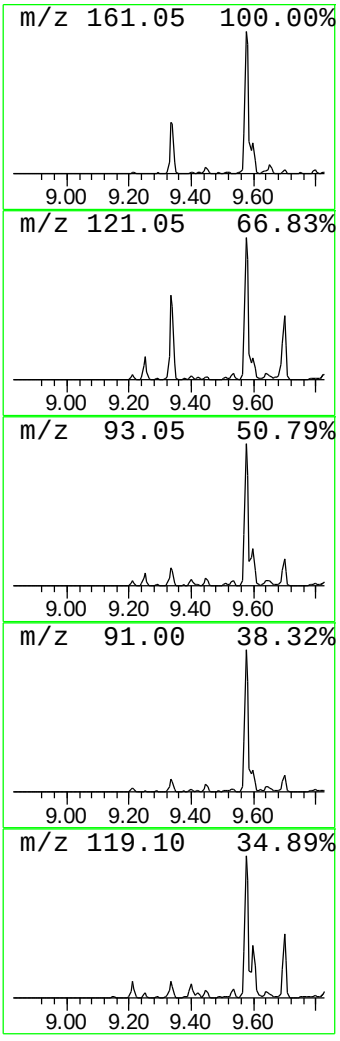
****

Peak Number 4 1H-Cyclopropa[a]naphthalene... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.33	2.80 ng	537657	Acenaphthene-d10	9.93

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Cyclopropa[a]naphthalene, 1a,...	204	C15H24	017334-55-3	86
2	Naphthalene, 1,2,3,4,4a,5,6,8a-o...	204	C15H24	039029-41-9	52
3	2-Phenylacetamide, N-(1-phenyl-2...	253	C17H19NO	1000223-70-1	47
4	1H-Cyclopenta[1,3]cyclopropa[1,2...	204	C15H24	013744-15-5	42
5	Tetracyclo[6.1.0.0(2,4).0(5,7)]n...	204	C15H24	051898-92-1	41





Library Search Compound Report

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ClientSampleId : TP-20-S

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP083019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

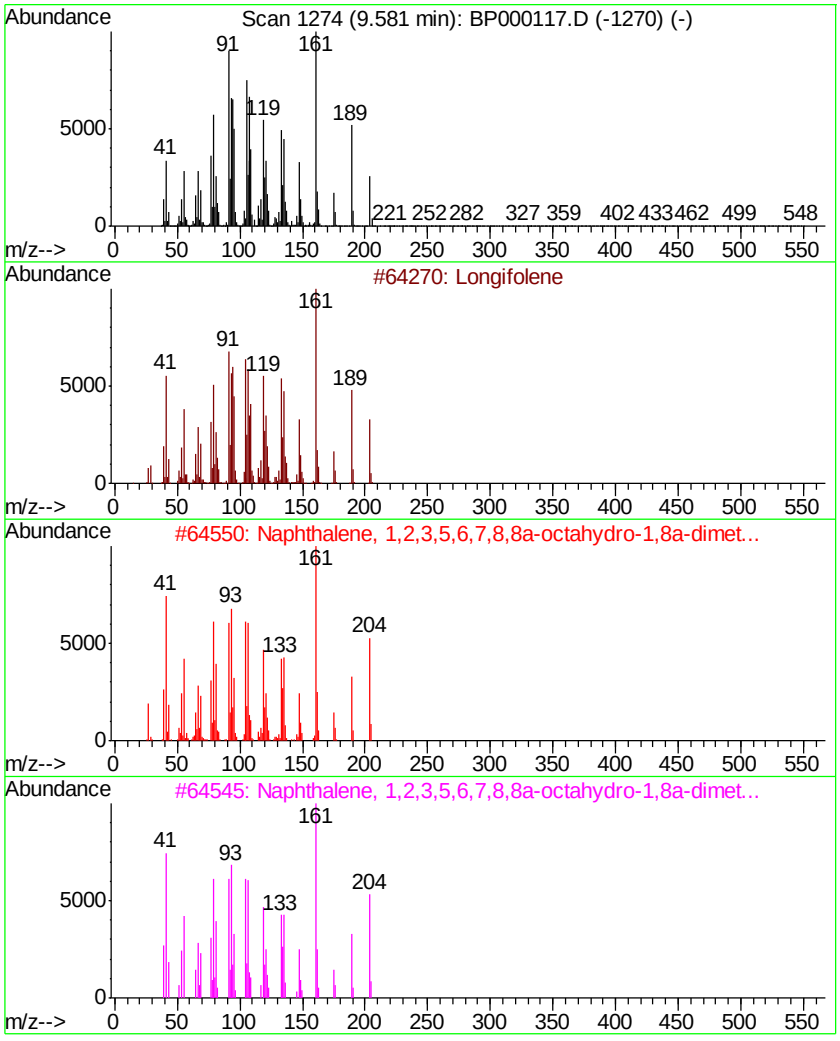
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

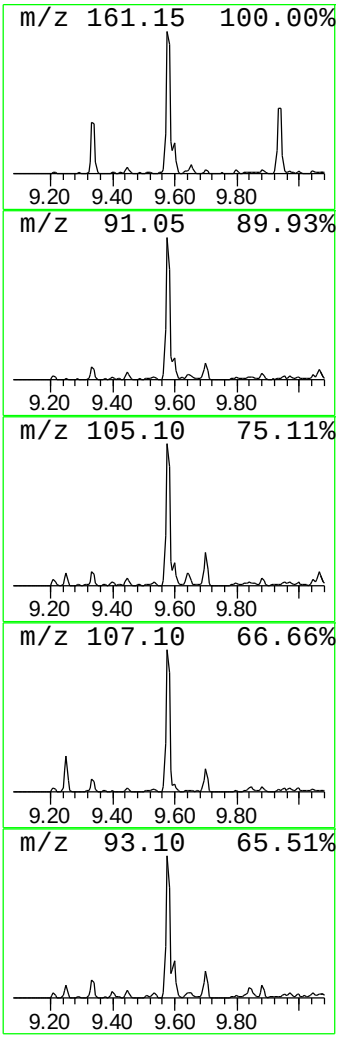
****

Peak Number 5 Longifolene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.58	23.68 ng	4544630	Acenaphthene-d10	9.93

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Longifolene	204	C15H24	000475-20-7	99
2	Naphthalene, 1,2,3,5,6,7,8,8a-oc...	204	C15H24	010219-75-7	94
3	Naphthalene, 1,2,3,5,6,7,8,8a-oc...	204	C15H24	004630-07-3	94
4	Longifolene-I2	204	C15H24	1000162-76-7	91
5	Naphthalene, 1,2,4a,5,6,8a-hexah...	204	C15H24	000483-75-0	89





Library Search Compound Report

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Acq On : 09 Sep 2019 02:46
Operator : HP/JU
Sample : K4716-03
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : TP-20-S

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP083019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

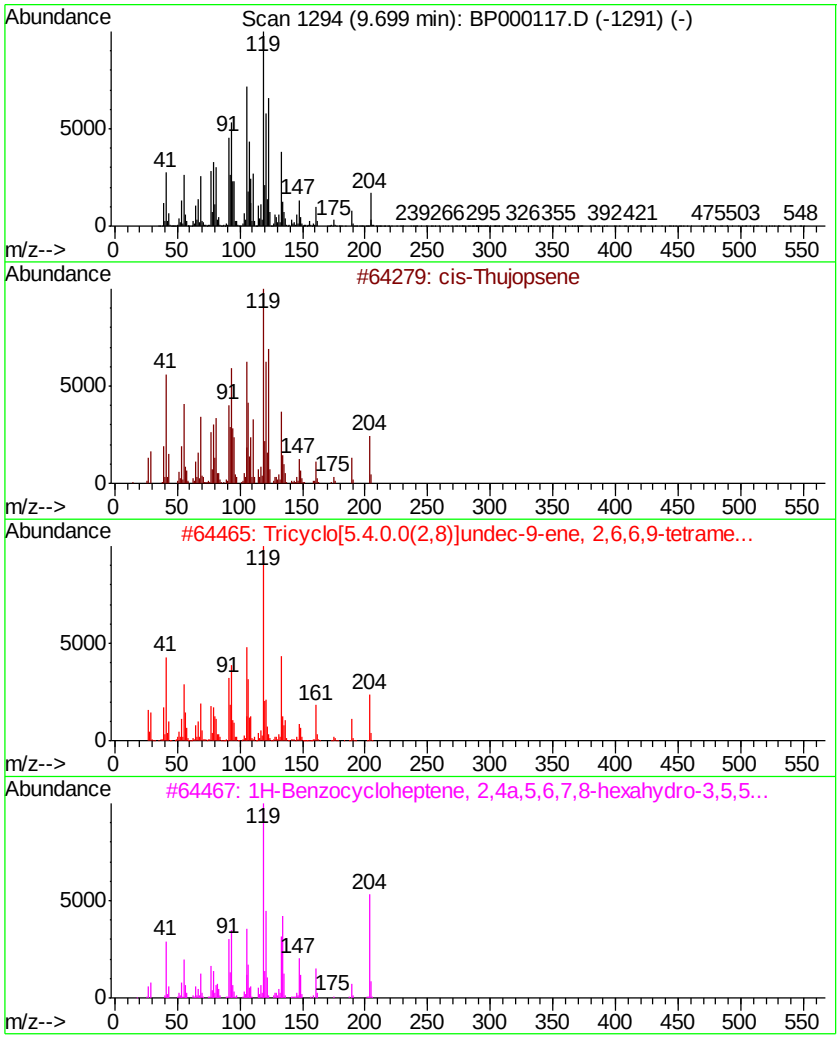
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

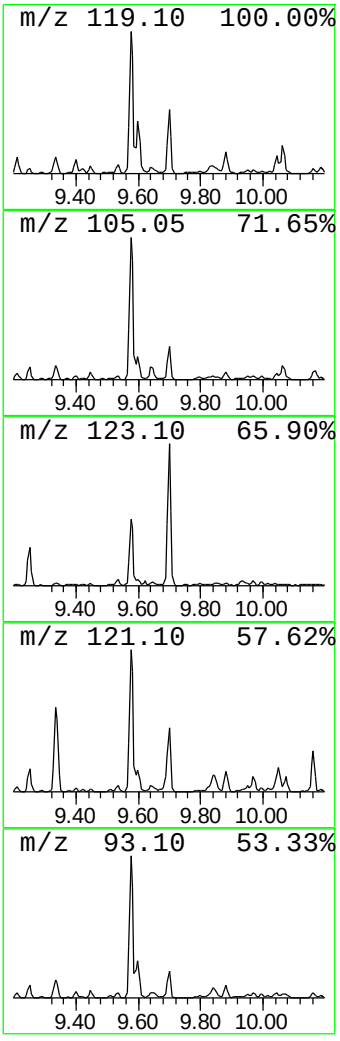
****

Peak Number 6 cis-Thujopsene Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.70	3.68 ng	705786	Acenaphthene-d10	9.93

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	cis-Thujopsene	204	C15H24	000470-40-6	99
2	Tricyclo[5.4.0.0(2,8)]undec-9-en...	204	C15H24	005989-08-2	86
3	1H-Benzocycloheptene, 2,4a,5,6,7...	204	C15H24	001461-03-6	50
4	.gamma.-HIMACHALENE	204	C15H24	1000140-08-0	46
5	Di-epi-.alpha.-cedrene	204	C15H24	050894-66-1	43





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Misc :
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ClientSampleId : TP-20-S

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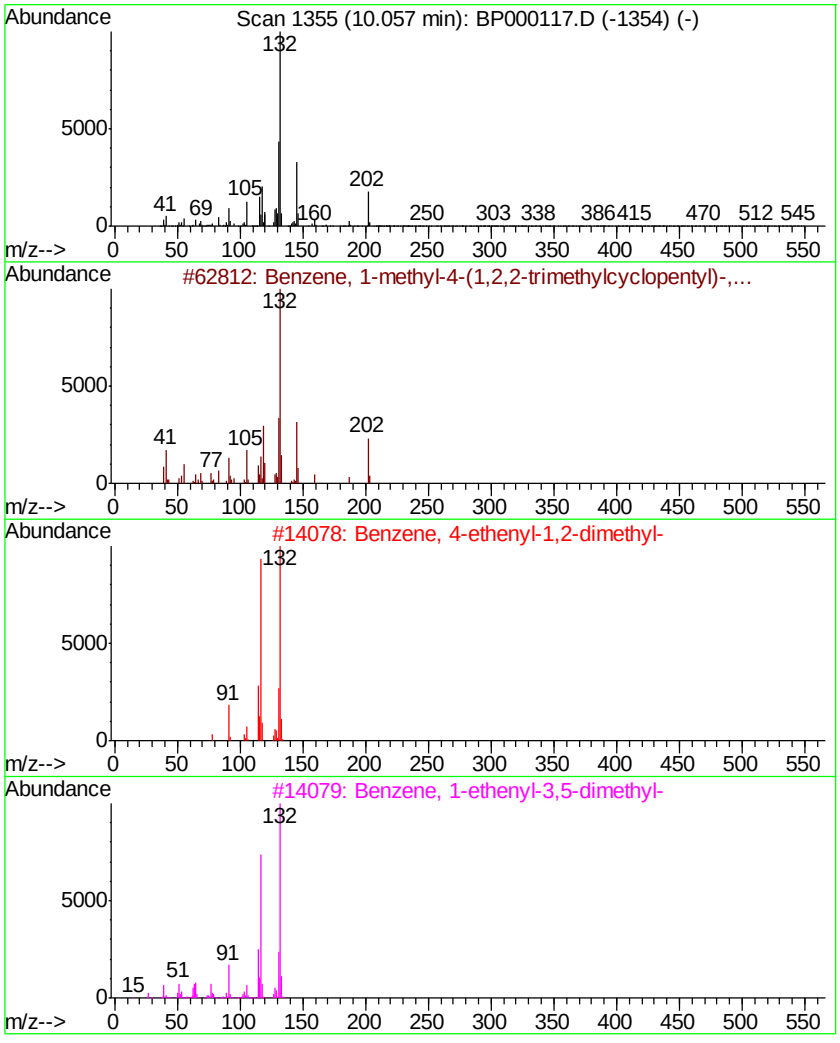
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

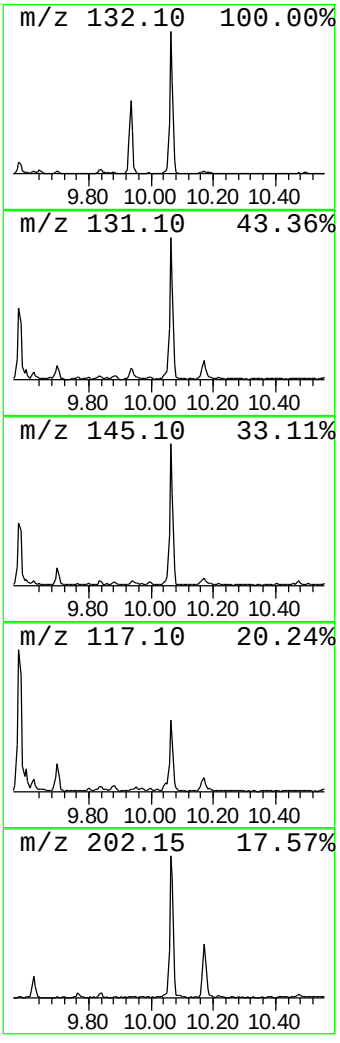
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 7 Benzene, 1-methyl-4-(1,2,2-... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.06	2.41 ng	462740	Acenaphthene-d10	9.93

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-methyl-4-(1,2,2-trime...	202	C15H22	016982-00-6	96
2	Benzene, 4-ethenyl-1,2-dimethyl-	132	C10H12	027831-13-6	49
3	Benzene, 1-ethenyl-3,5-dimethyl-	132	C10H12	005379-20-4	46
4	1-Methylpyrrolo[1,2-a]pyrazine	132	C8H8N2	064608-59-9	46
5	Benzenemethanol, .alpha.-ethynyl-	132	C9H8O	004187-87-5	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

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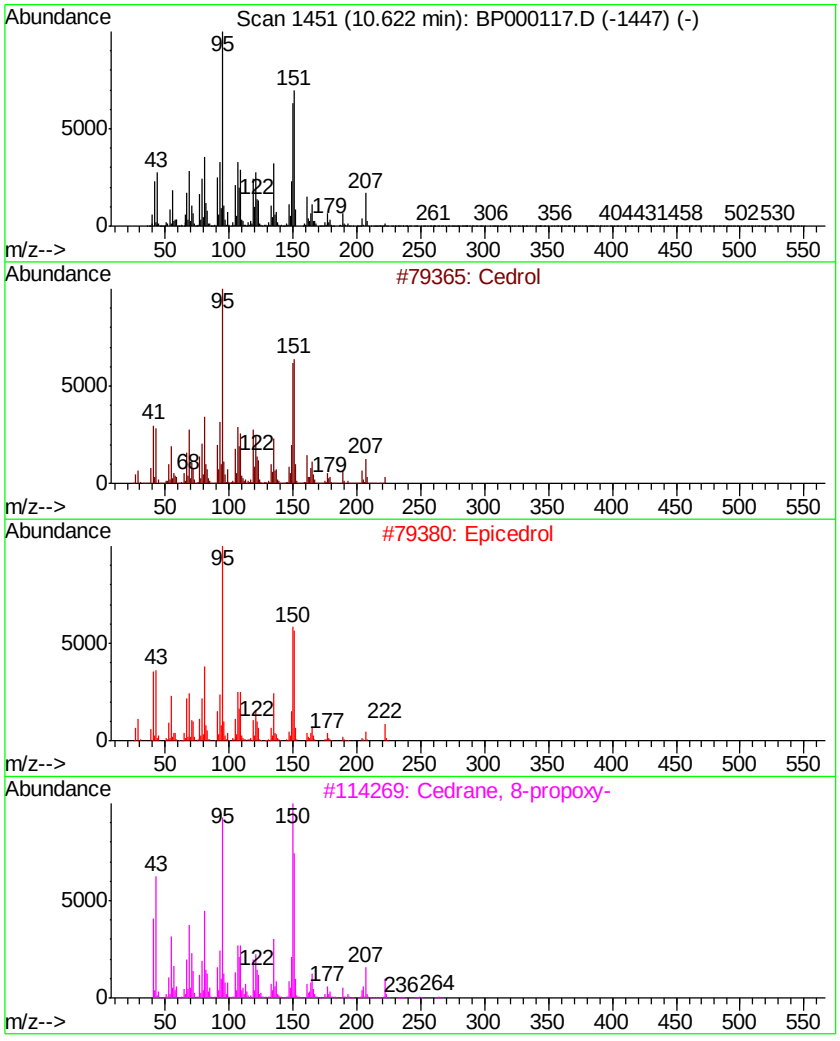
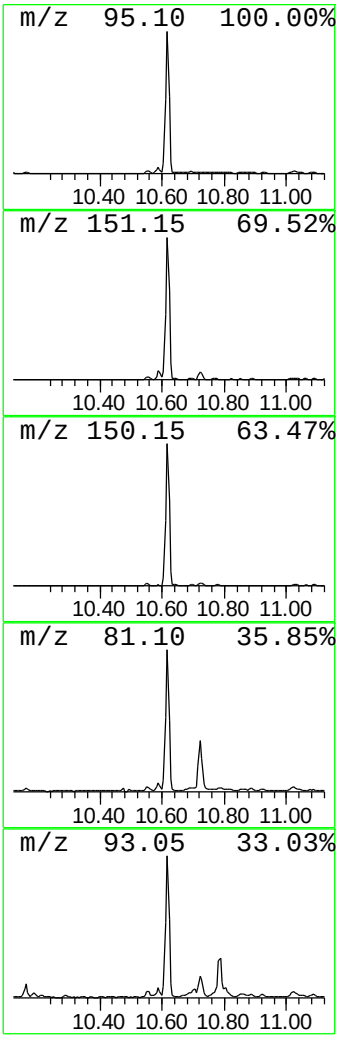
Peak Number 8 Cedrol Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.62	11.76 ng	2256340	Acenaphthene-d10	9.93

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cedrol	222	C15H26O	000077-53-2	94
2	Epicedrol	222	C15H26O	1000156-22-8	91
3	Cedrane, 8-propoxy-	264	C18H32O	019870-75-8	87
4	Piperonylamine	151	C8H9NO2	002620-50-0	30
5	3-Dimethylaminoanisole	151	C9H13NO	015799-79-8	30





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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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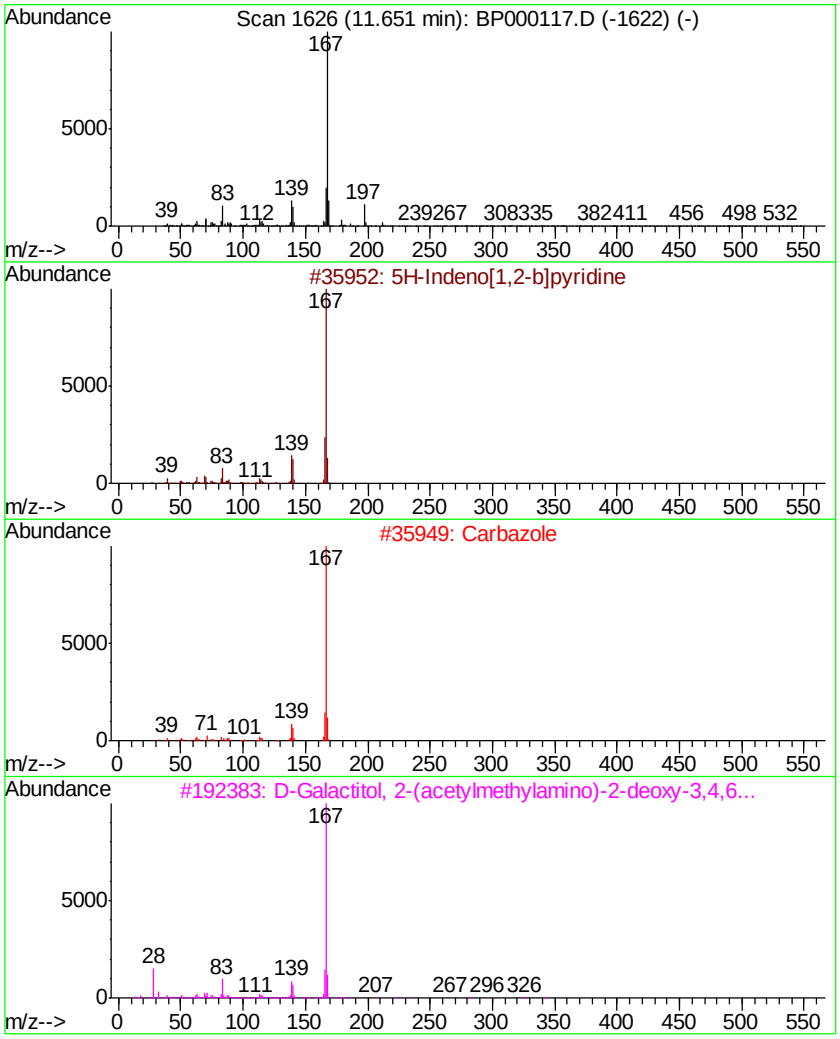
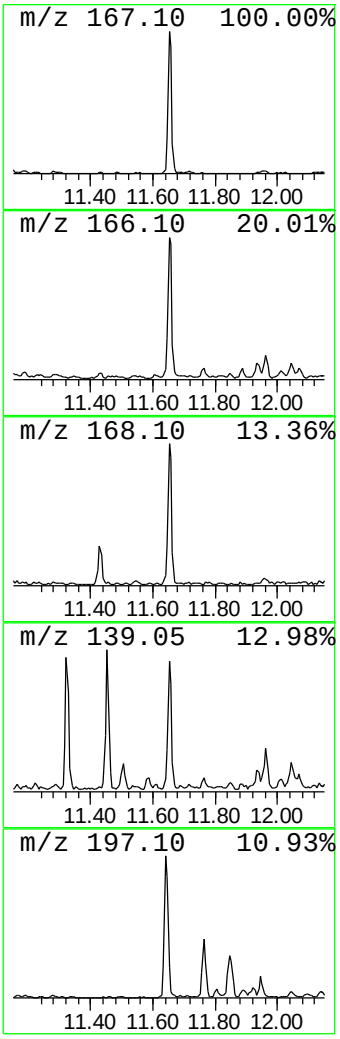
Peak Number 9 5H-Indeno[1,2-b]pyridine Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.65	2.09 ng	416113	Phenanthrene-d10	11.43

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5H-Indeno[1,2-b]pyridine	167	C12H9N	000244-99-5	95
2	Carbazole	167	C12H9N	000086-74-8	93
3	D-Galactitol, 2-(acetylmethylami...	363	C16H29NO8	074410-42-7	83
4	9H-Carbazole, 9-nitroso-	196	C12H8N2O	002788-23-0	80
5	9H-Carbazole-9-methanol	197	C13H11NO	002409-36-1	74





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ClientSampleId : TP-20-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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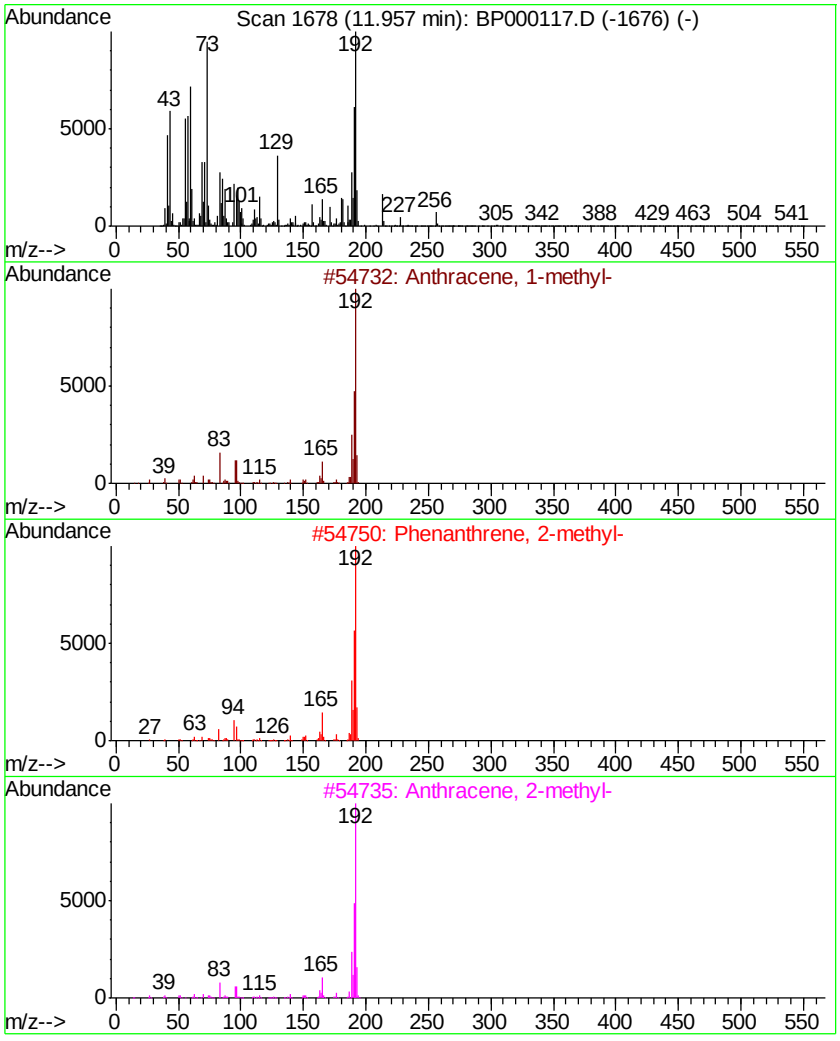
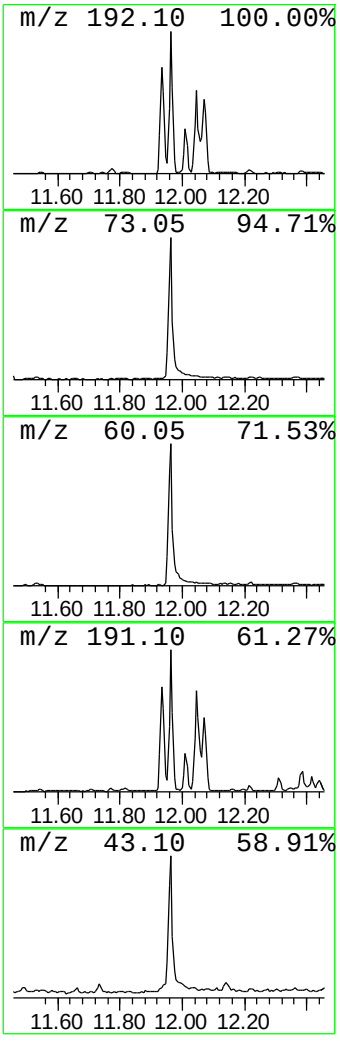
Peak Number 10 Anthracene, 1-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.96	5.00 ng	993418	Phenanthrene-d10	11.43

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 1-methyl-	192	C15H12	000610-48-0	98
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
5	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	93





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ClientSampleId : TP-20-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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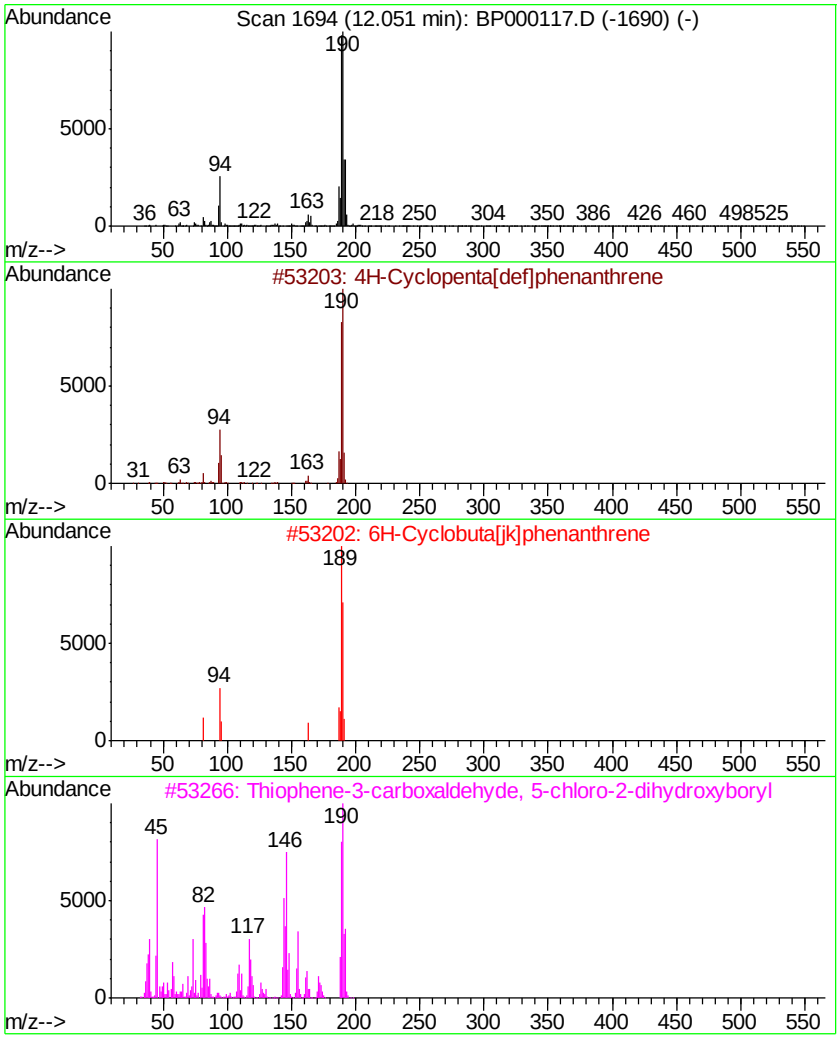
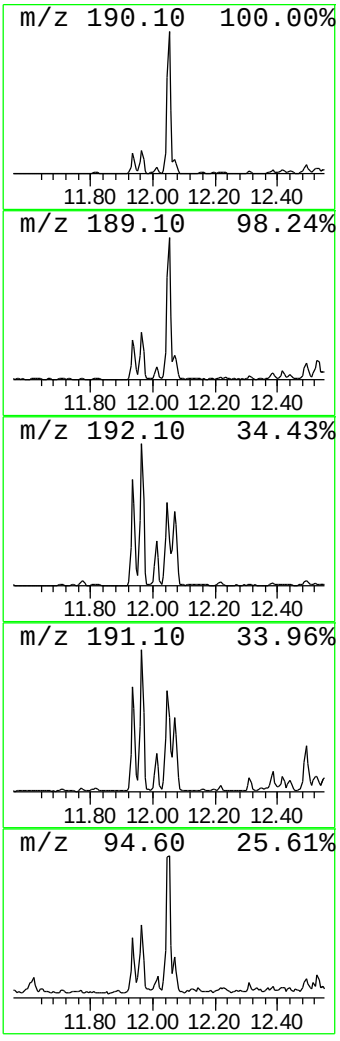
Peak Number 11 4H-Cyclopenta[def]phenanthrene Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.05	3.18 ng	631174	Phenanthrene-d10	11.43

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	94
2	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	72
3	Thiophene-3-carboxaldehyde, 5-ch...	190	C5H4BClO3S	036155-87-0	52
4	2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	50
5	Methyl diselenide	190	C2H6Se2	007101-31-7	46





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Sample : K4716-03
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_P
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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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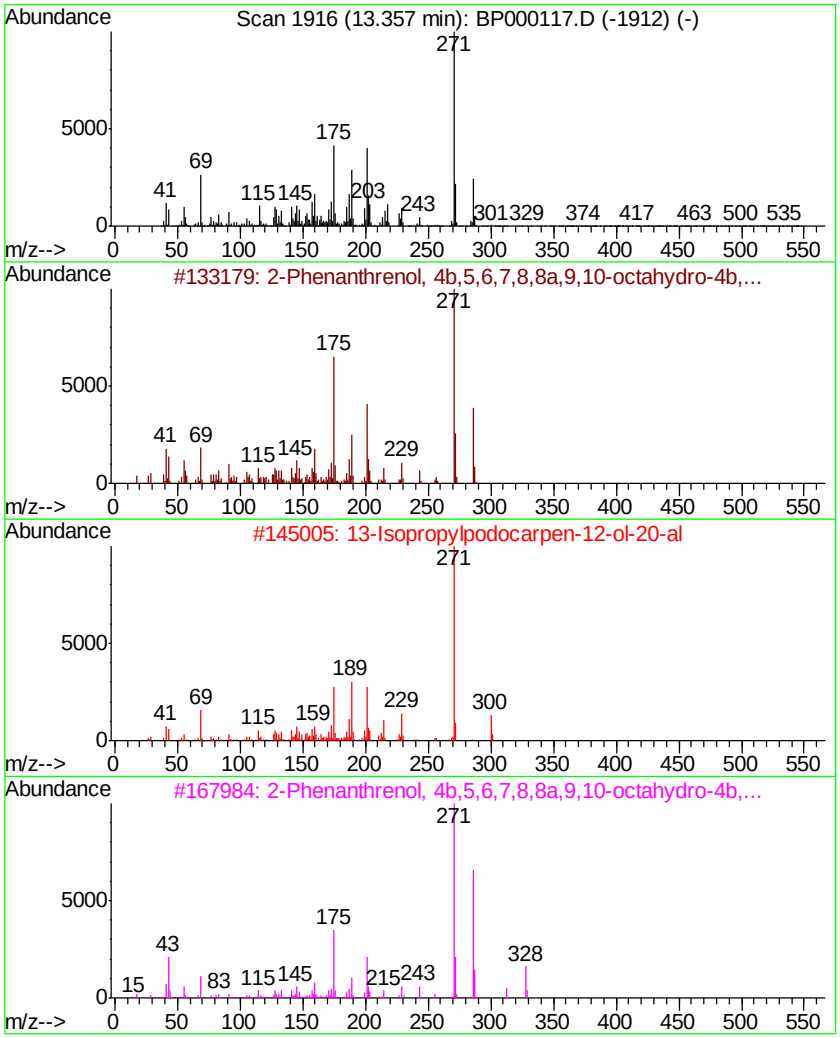
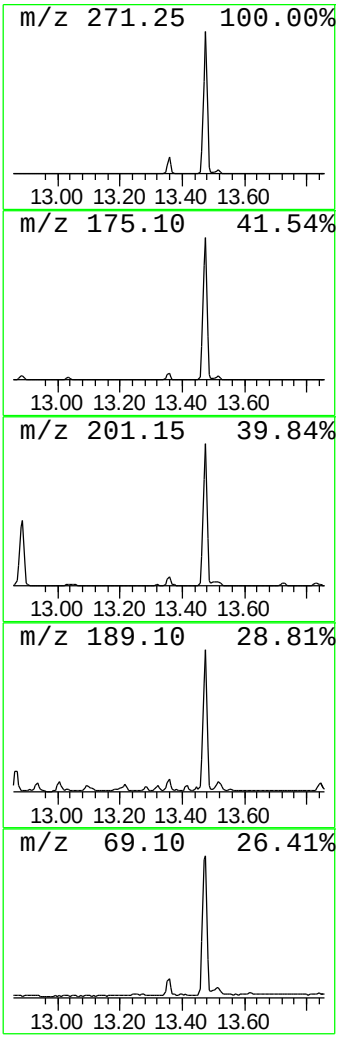
Peak Number 12 2-Phenanthrenol, 4b,5,6,7,8... Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.36	2.32 ng	651861	Chrysene-d12	14.10

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Phenanthrenol, 4b,5,6,7,8,8a,9...	286	C20H30O	000511-15-9	83
2	13-Isopropylpodocarpen-12-ol-20-al	300	C20H28O2	024035-37-8	43
3	2-Phenanthrenol, 4b,5,6,7,8,8a,9...	328	C22H32O2	015340-82-6	42
4	1-Methyl-3-phenyl-4-azafluorenone	271	C19H13NO	069751-55-9	27
5	3-Acridinol, 9-phenyl-	271	C19H13NO	109553-65-3	27





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ClientSampleId : TP-20-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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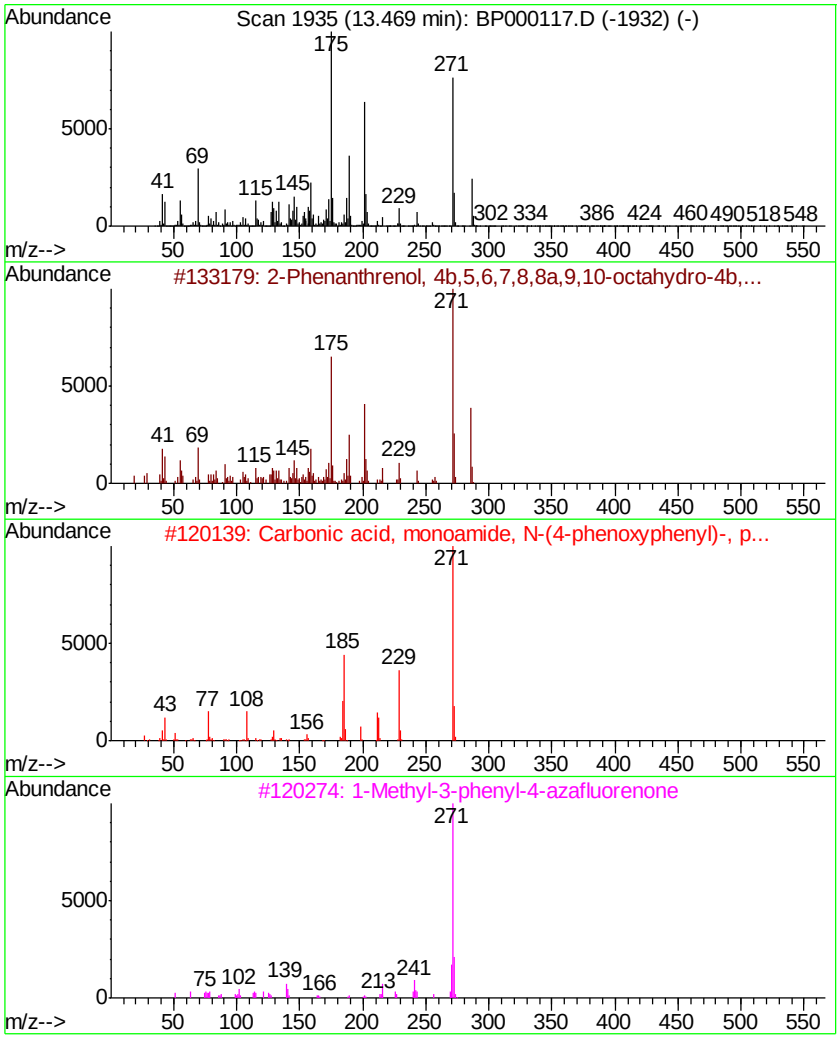
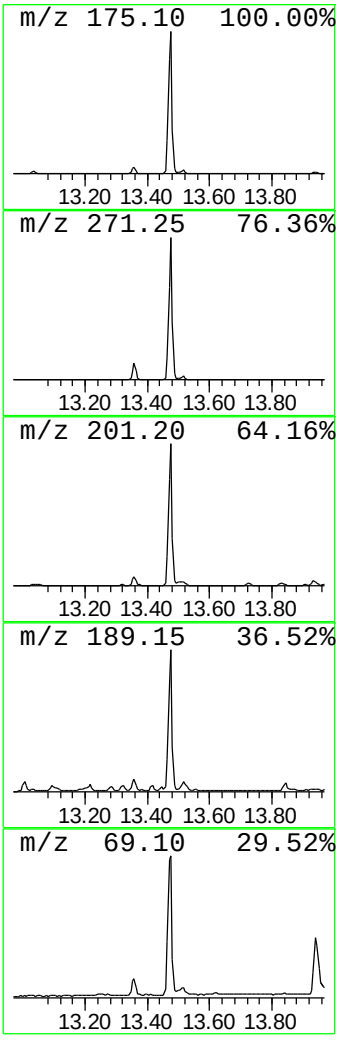
Peak Number 13 unknown13.47 Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.47	17.65 ng	4966590	Chrysene-d12	14.10

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Phenanthrenol, 4b,5,6,7,8,8a,9...	286	C20H30O	000511-15-9	97
2	Carbonic acid, monoamide, N-(4-p...	271	C16H17NO3	1000340-19-7	18
3	1-Methyl-3-phenyl-4-azafluorenone	271	C19H13NO	069751-55-9	18
4	Bis[3,3,4,7-tetramethyl-1,3-2H-b...	366	C24H30O3	146950-82-5	15
5	3-Acridinol, 9-phenyl-	271	C19H13NO	109553-65-3	14





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TIC Library : C:\DATABASE\NIST11.L
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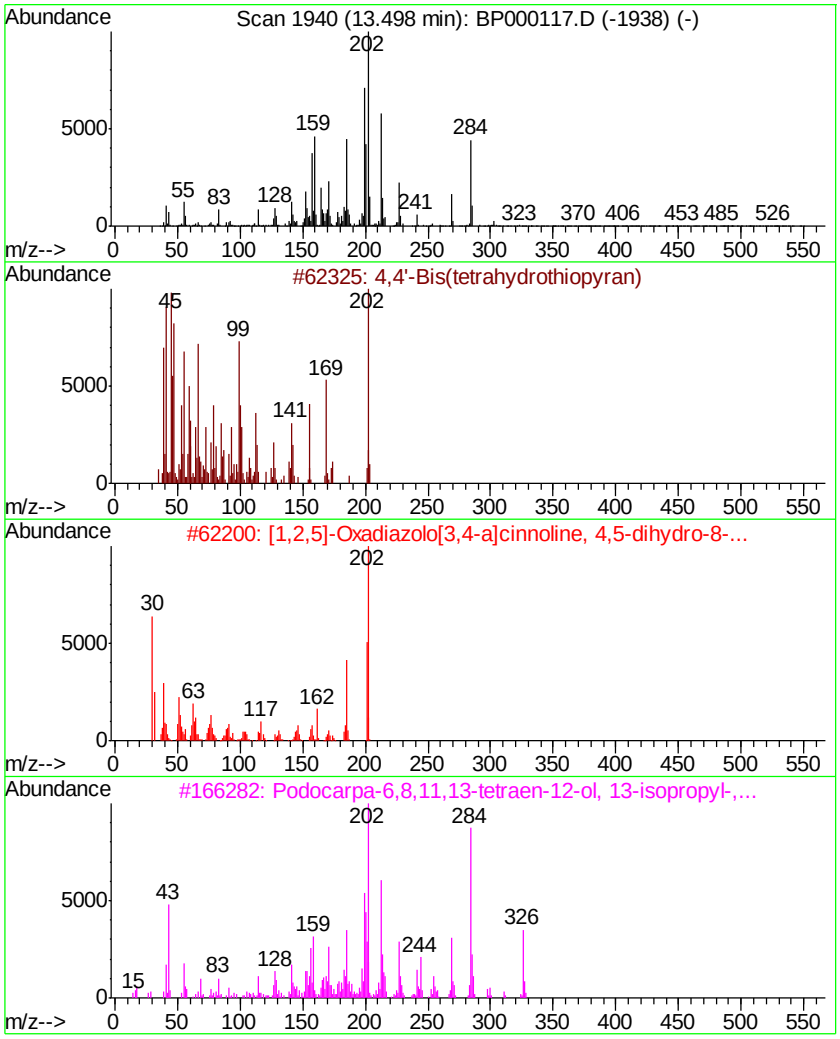
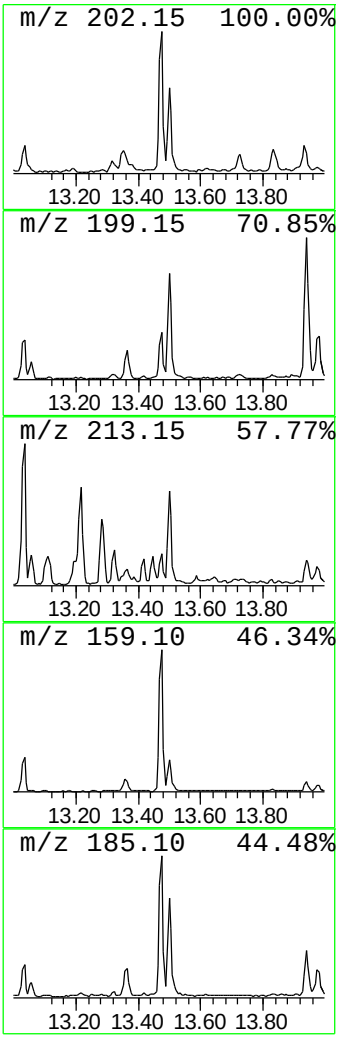
Peak Number 14 4,4'-Bis(tetrahydrothiopyran) Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.50	2.99 ng	839984	Chrysene-d12	14.10

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4,4'-Bis(tetrahydrothiopyran)	202	C10H18S2	116196-83-9	56
2	[1,2,5]-Oxadiazolo[3,4-a]cinnoli...	202	C10H10N4O	1000260-59-4	35
3	Podocarpa-6,8,11,13-tetraen-12-o...	326	C22H30O2	022160-86-7	25
4	3-Methoxy-5-naphthoic acid	202	C12H10O3	007498-58-0	22
5	8-Hydroxy-naphthoic acid, methyl...	202	C12H10O3	005991-56-0	18





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ClientSampleId : TP-20-S

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TIC Library : C:\DATABASE\NIST11.L
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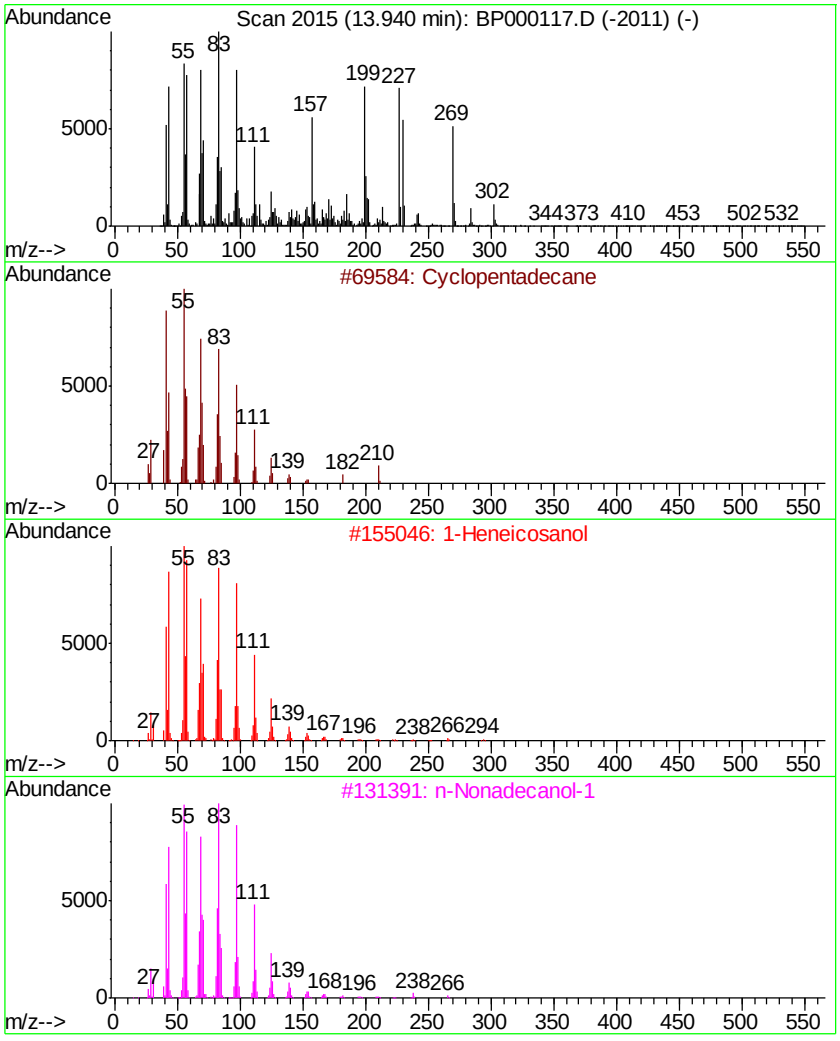
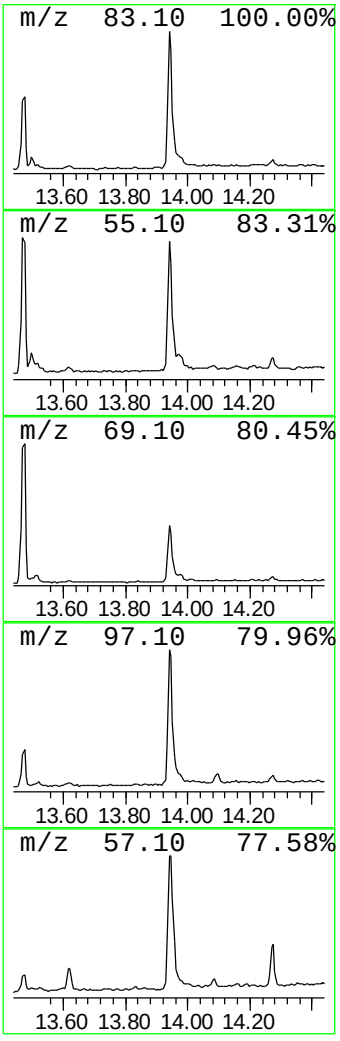
Peak Number 15 Cyclopentadecane Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.94	5.68 ng	1598630	Chrysene-d12	14.10

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentadecane	210	C15H30	000295-48-7	96
2	1-Heneicosanol	312	C21H44O	015594-90-8	89
3	n-Nonadecanol-1	284	C19H40O	001454-84-8	70
4	n-Heptadecanol-1	256	C17H36O	001454-85-9	70
5	Dichloroacetic acid, heptadecyl ...	366	C19H36Cl2O2	1000282-98-2	70





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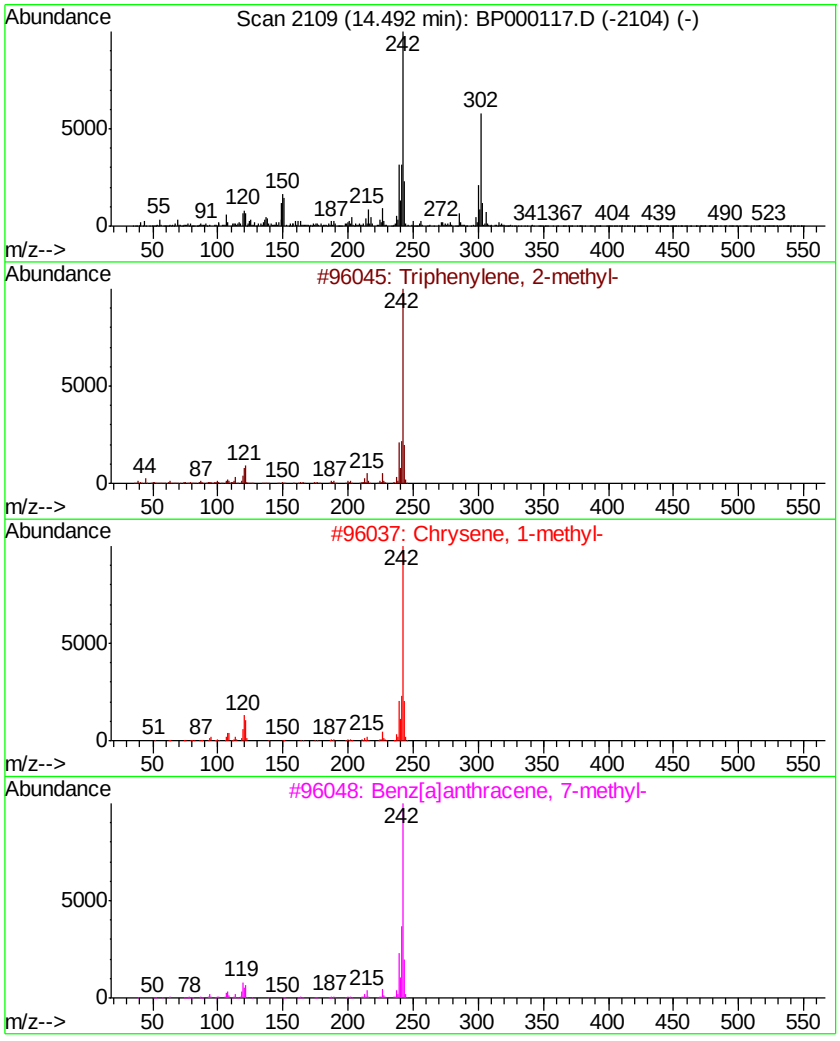
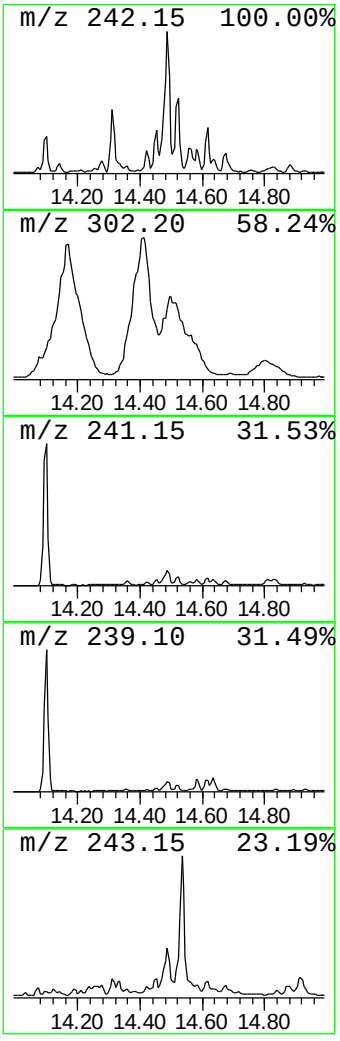
Peak Number 16 Triphenylene, 2-methyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.49	2.18 ng	612898	Chrysene-d12	14.10

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Triphenylene, 2-methyl-	242	C19H14	001705-84-6	93
2	Chrysene, 1-methyl-	242	C19H14	003351-28-8	89
3	Benz[a]anthracene, 7-methyl-	242	C19H14	002541-69-7	89
4	Chrysene, 3-methyl-	242	C19H14	003351-31-3	86
5	Chrysene, 5-methyl-	242	C19H14	003697-24-3	86





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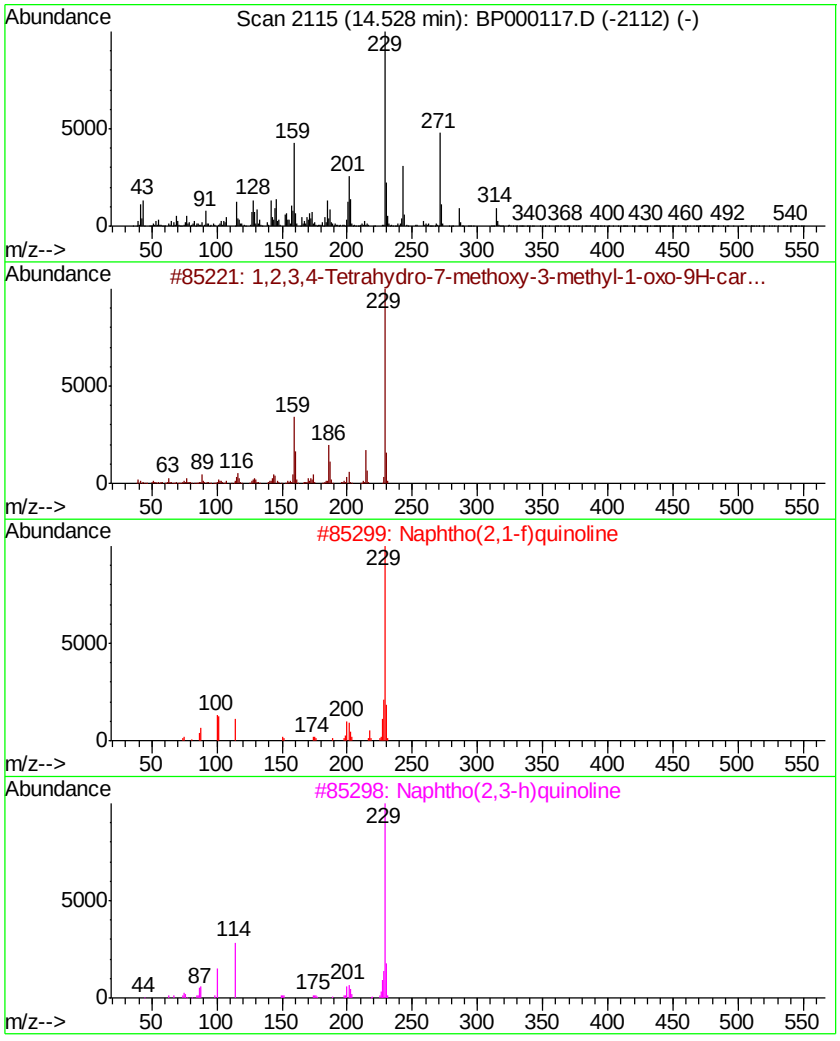
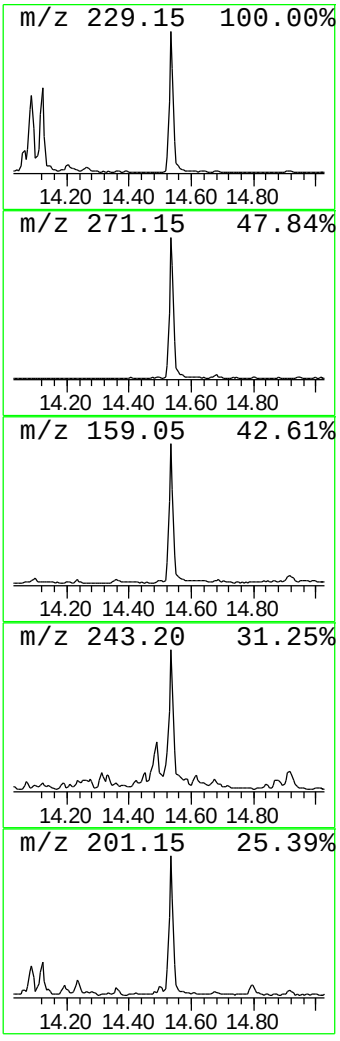
Peak Number 17 unknown14.53 Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.53	5.71 ng	1607090	Chrysene-d12	14.10

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,2,3,4-Tetrahydro-7-methoxy-3-m...	229	C14H15NO2	032550-51-9	43
2	Naphtho(2,1-f)quinoline	229	C17H11N	000218-08-6	35
3	Naphtho(2,3-h)quinoline	229	C17H11N	000084-56-0	35
4	Benzo(a)acridine	229	C17H11N	000225-11-6	35
5	2,8-Disilatricyclo[7.3.0.0(3,7)]...	244	C14H20Si2	1000163-56-4	35





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Data File : BP000117.D
Acq On : 09 Sep 2019 02:46
Operator : HP/JU
Sample : K4716-03
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : TP-20-S

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP083019.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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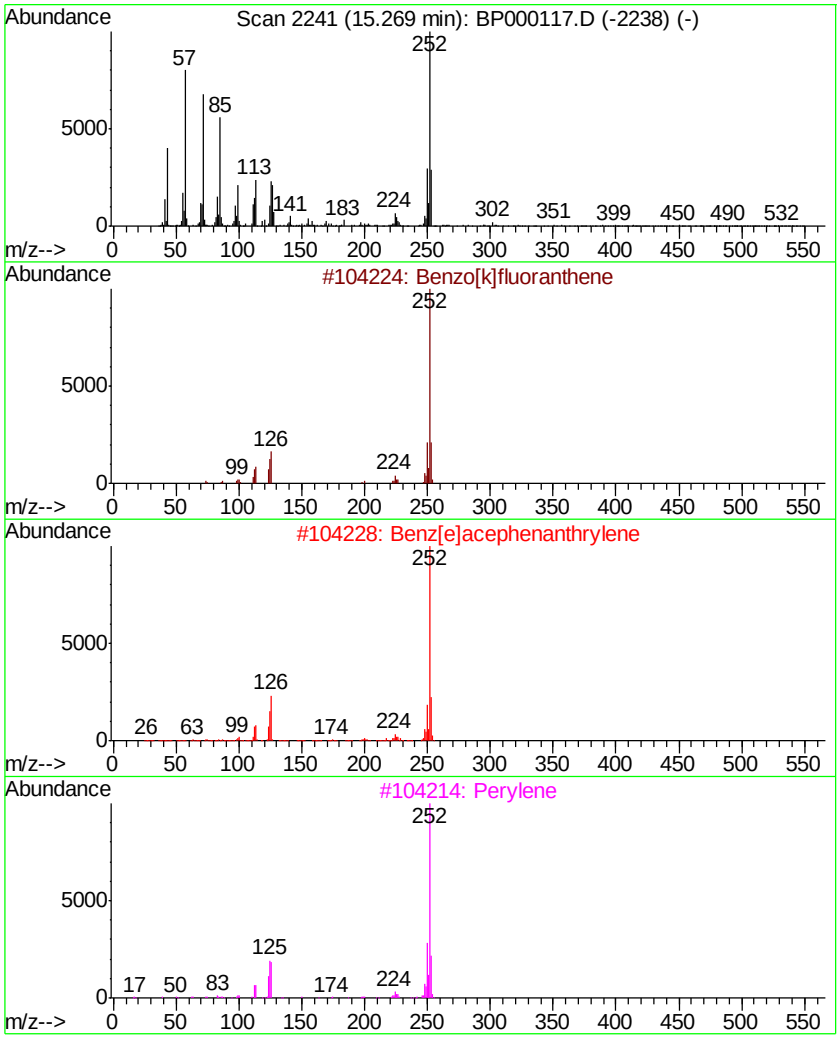
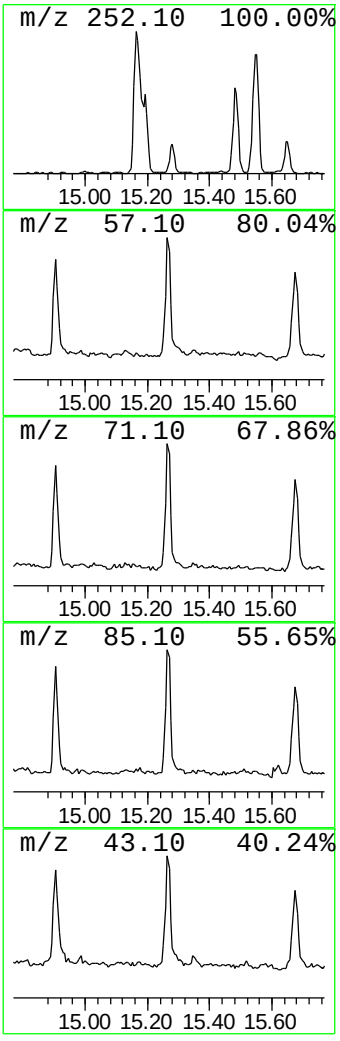
Peak Number 18 Perylene Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.27	2.75 ng	510956	Perylene-d12	15.62

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[k]fluoranthene	252	C20H12	000207-08-9	93
2	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	93
3	Perylene	252	C20H12	000198-55-0	90
4	Benzo[e]pyrene	252	C20H12	000192-97-2	81
5	Benzo[a]pyrene	252	C20H12	000050-32-8	81





Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP090819\
Data File : BP000117.D
Acq On : 09 Sep 2019 02:46
Operator : HP/JU
Sample : K4716-03
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : TP-20-S

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP083019.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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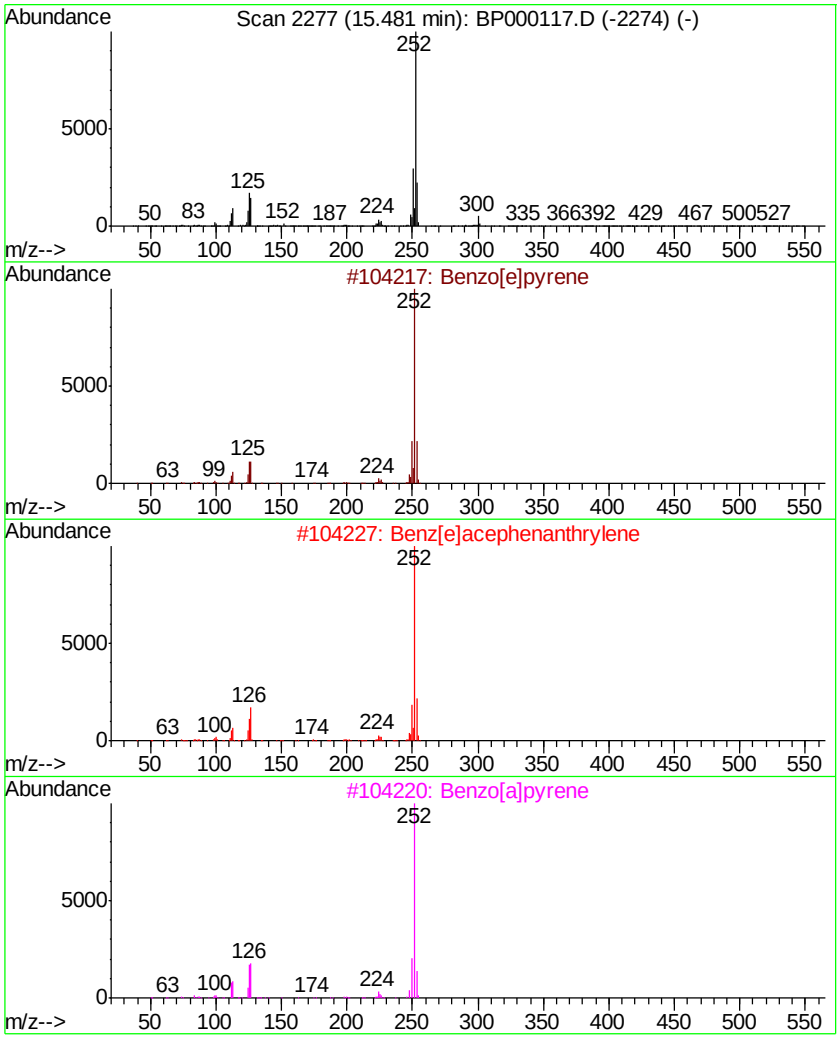
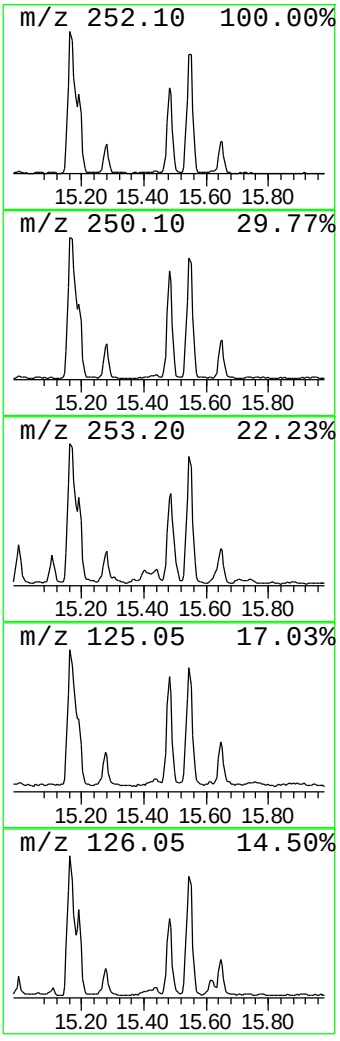
Peak Number 19 Benzo[e]pyrene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.48	5.30 ng	984939	Perylene-d12	15.62

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	98
2	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	97
3	Benzo[a]pyrene	252	C20H12	000050-32-8	96
4	Perylene	252	C20H12	000198-55-0	95
5	Benzo[j]fluoranthene	252	C20H12	000205-82-3	90





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_P\DATA\BP090819\
Data File : BP000117.D
Acq On : 09 Sep 2019 02:46
Operator : HP/JU
Sample : K4716-03
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : TP-20-S

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP083019.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...	2.17	16.3	ng	1954260	1	6.89	2392620	20.0
unknown6.66	6.66	55.4	ng	6631440	1	6.89	2392620	20.0
1H-Cyclopropa[a]n...	9.33	2.8	ng	537657	3	9.93	3837780	20.0
Longifolene	9.58	23.7	ng	4544630	3	9.93	3837780	20.0
cis-Thujopsene	9.70	3.7	ng	705786	3	9.93	3837780	20.0
Benzene, 1-methyl...	10.06	2.4	ng	462740	3	9.93	3837780	20.0
Cedrol	10.62	11.8	ng	2256340	3	9.93	3837780	20.0
5H-Indeno[1,2-b]p...	11.65	2.1	ng	416113	4	11.43	3972780	20.0
Anthracene, 1-met...	11.96	5.0	ng	993418	4	11.43	3972780	20.0
4H-Cyclopenta[def...	12.05	3.2	ng	631174	4	11.43	3972780	20.0
2-Phenanthrenol, ...	13.36	2.3	ng	651861	5	14.10	5627120	20.0
unknown13.47	13.47	17.6	ng	4966590	5	14.10	5627120	20.0
4,4'-Bis(tetrahyd...	13.50	3.0	ng	839984	5	14.10	5627120	20.0
Cyclopentadecane	13.94	5.7	ng	1598630	5	14.10	5627120	20.0
Triphenylene, 2-m...	14.49	2.2	ng	612898	5	14.10	5627120	20.0
unknown14.53	14.53	5.7	ng	1607090	5	14.10	5627120	20.0
Perylene	15.27	2.8	ng	510956	6	15.62	3715630	20.0
Benzo[e]pyrene	15.48	5.3	ng	984939	6	15.62	3715630	20.0