LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA M\Data\BM050719\
Data File : BM020185.D
Acq On : 08 May 2019 03:23
Operator : JU/SJ
Sample : K2704-06 10X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : SB-1(25-25.5)

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_M\METHODS\8270-BM043019.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.228	376	381	390	rVB4	97359	220990	3.53%	0.201%
2	5.369	399	405	416	rVB2	194192	369881	5.91%	0.336%
3	6.045	512	520	526	rBV4	95965	234467	3.74%	0.213%
4	6.281	551	560	564	rBV7	92410	263954	4.22%	0.240%
5	6.328	564	568	573	rVB	224032	307230	4.91%	0.279%
6	6.416	578	583	591	rVB4	170938	345632	5.52%	0.314%
7	6.763	637	642	647	rVV2	240771	389379	6.22%	0.354%
8	6.922	664	669	673	rVV2	346224	640812	10.24%	0.583%
9	6.963	673	676	683	rVB	164075	261698	4.18%	0.238%
10	7.163	704	710	714	rBV4	103081	194229	3.10%	0.177%
11	7.263	723	727	733	rBV4	120158	193945	3.10%	0.176%
12	7.328	733	738	744	rVB2	166001	275967	4.41%	0.251%
13	7.686	790	799	804	rBV5	122653	277461	4.43%	0.252%
14	7.739	804	808	812	rVV	352356	469685	7.50%	0.427%
15	7.792	812	817	822	rBV	493645	709107	11.33%	0.645%
16	7.951	839	844	848	rVB4	122452	210430	3.36%	0.191%
17	8.016	848	855	858	rBV2	116469	221957	3.55%	0.202%
18	8.057	858	862	868	rVV3	205690	413752	6.61%	0.376%
19	8.110	868	871	876	rVB2	150100	234079	3.74%	0.213%
20	8.292	893	902	905	rBV2	173679	463389	7.40%	0.422%
21	8.328	905	908	917	rVB3	248152	574281	9.17%	0.522%
22	8.422	917	924	929	rBV2	229882	432954	6.92%	0.394%
23	8.733	971	977	983	rBV4	109653	239890	3.83%	0.218%
24	8.881	990	1002	1010	rBV6	402099	1205422	19.25%	1.097%
25	8.969	1010	1017	1023	rVB3	359871	716246	11.44%	0.652%
26	9.122	1038	1043	1051	rVB5	248224	565620	9.03%	0.515%
27	9.233	1051	1062	1069	rBV9	188642	634617	10.14%	0.577%
28	9.404	1086	1091	1096	rVV	388564	568863	9.09%	0.517%
29	9.463	1096	1101	1104	rVV2	233064	420458	6.72%	0.382%
30	9.492	1104	1106	1116	rVB4	239595	493889	7.89%	0.449%
31	9.692	1137	1140	1145	rVB4	208512	345838	5.52%	0.315%
32	9.757	1145	1151	1158	rBV6	284080	734306	11.73%	0.668%
33	9.975	1183	1188	1193	rBV2	297609	565536	9.03%	0.514%
34	10.039	1196	1199	1205	rVB2	209406	320685	5.12%	0.292%

LSC Area Percent Report

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Operator : JU/SJ
Sample : K2704-06 10X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : SB-1(25-25.5)

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:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM043019.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	10.157	1211	1219	1225	rBV4	243382	609560	9.74%	0.554%
36	10.275	1234	1239	1245	rVB3	204808	420109	6.71%	0.382%
37	10.351	1247	1252	1256	rBV4	136118	233734	3.73%	0.213%
38	10.463	1267	1271	1279	rBV5	111506	278571	4.45%	0.253%
39	10.557	1279	1287	1288	rBV5	277546	544071	8.69%	0.495%
40	10.586	1288	1292	1297	rVB	566933	862833	13.78%	0.785%
41	10.716	1305	1314	1319	rVB2	880816	2023965	32.33%	1.841%
42	10.786	1320	1326	1333	rBV7	355585	763920	12.20%	0.695%
43	10.986	1356	1360	1366	rVV6	204719	434031	6.93%	0.395%
44	11.051	1366	1371	1377	rVB4	487879	900469	14.38%	0.819%
45	11.186	1390	1394	1397	rBV5	123053	193315	3.09%	0.176%
46	11.239	1398	1403	1404	rVV4	270209	429763	6.86%	0.391%
47	11.263	1404	1407	1417	rVB6	429151	999370	15.96%	0.909%
48	11.398	1426	1430	1439	rBV7	281332	621415	9.93%	0.565%
49	11.492	1439	1446	1452	rVB5	378059	929253	14.84%	0.845%
50	11.551	1452	1456	1457	rBV2	145981	192211	3.07%	0.175%
51	11.586	1457	1462	1465	rVV	937907	1355167	21.64%	1.233%
52	11.622	1465	1468	1473	rVB3	299265	445977	7.12%	0.406%
53	11.763	1489	1492	1500	rVB7	251437	522461	8.34%	0.475%
54	11.845	1500	1506	1511	rBV3	413504	825249	13.18%	0.751%
55	12.204	1564	1567	1573	rVB2	640536	1026005	16.39%	0.933%
56	12.316	1581	1586	1590	rBV3	167509	371927	5.94%	0.338%
57	12.445	1605	1608	1609	rBV2	172480	209308	3.34%	0.190%
58	12.474	1609	1613	1621	rVB	771754	1293685	20.66%	1.177%
59	12.627	1633	1639	1642	rBV5	409338	703375	11.23%	0.640%
60	12.774	1660	1664	1668	rVB5	239030	367284	5.87%	0.334%
61	12.857	1674	1678	1682	rVB4	343451	502934	8.03%	0.457%
62	12.945	1688	1693	1700	rVB	1628007	2457954	39.26%	2.236%
63	13.221	1737	1740	1744	rVB3	346974	426033	6.80%	0.388%
64	13.468	1777	1782	1789	rBV	532179	1231661	19.67%	1.120%
65	13.598	1799	1804	1813	rVB2	944400	2302573	36.78%	2.095%
66	13.757	1825	1831	1837	rBV	1605977	2961257	47.30%	2.694%
67	13.810	1837	1840	1842	rBV4	229868	258254	4.12%	0.235%
68	13.839	1842	1845	1848	rVV2	511120	611407	9.77%	0.556%
69	13.898	1851	1855	1860	rVB	1950474	2572132	41.08%	2.340%
70	13.951	1860	1864	1867	rBV3	326088	526830	8.41%	0.479%
71	13.992	1868	1871	1875	rBV	574136	796822	12.73%	0.725%

LSC Area Percent Report

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Sample : K2704-06 10X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : SB-1(25-25.5)

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_M\METHODS\8270-BM043019.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	14.068	1881	1884	1888	rBV4	285186	405272	6.47%	0.369%
73	14.163	1896	1900	1907	rBV5	585806	1106568	17.67%	1.007%
74	14.257	1912	1916	1921	rVB2	741366	1107153	17.68%	1.007%
75	14.392	1935	1939	1942	rBV3	585758	978612	15.63%	0.890%
76	14.439	1943	1947	1952	rVB	1075001	1764309	28.18%	1.605%
77	14.651	1977	1983	1991	rVB3	915204	2111805	33.73%	1.921%
78	14.727	1993	1996	1998	rBV3	275000	352543	5.63%	0.321%
79	14.827	2007	2013	2018	rVB3	993774	2098589	33.52%	1.909%
80	14.910	2024	2027	2030	rBV	577983	739327	11.81%	0.673%
81	15.057	2047	2052	2057	rBV	1045842	2009039	32.09%	1.828%
82	15.104	2057	2060	2065	rVB	671095	982355	15.69%	0.894%
83	15.215	2074	2079	2084	rBV4	762528	1723331	27.53%	1.568%
84	15.480	2120	2124	2128	rBV3	673050	1120553	17.90%	1.019%
85	15.674	2154	2157	2167	rVB2	1500801	2708586	43.26%	2.464%
86	15.892	2191	2194	2197	rVB3	516394	635632	10.15%	0.578%
87	15.927	2197	2200	2203	rBV2	519194	688230	10.99%	0.626%
88	16.157	2234	2239	2244	rVB	4463350	6003257	95.88%	5.461%
89	16.292	2259	2262	2266	rVB	605910	785094	12.54%	0.714%
90	16.474	2290	2293	2297	rBV3	544017	975192	15.58%	0.887%
91	16.974	2374	2378	2382	rBV	2576847	3483540	55.64%	3.169%
92	17.186	2411	2414	2418	rVB2	1173361	1452486	23.20%	1.321%
93	17.233	2418	2422	2427	rVB	3198873	4312587	68.88%	3.923%
94	17.586	2478	2482	2488	rBV5	1321330	2333310	37.27%	2.122%
95	18.062	2560	2563	2568	rBV2	1262663	2290701	36.59%	2.084%
96	18.109	2568	2571	2576	rVB	1895645	2644091	42.23%	2.405%
97	18.980	2715	2719	2724	rBV	2587087	4203449	67.14%	3.824%
98	19.250	2761	2765	2770	rBV	3990292	5193109	82.94%	4.724%
99	19.615	2824	2827	2835	rVB2	3801677	6260944	100.00%	5.695%
100	19.686	2836	2839	2845	rVB2	1867577	2742040	43.80%	2.494%

Sum of corrected areas: 109933238

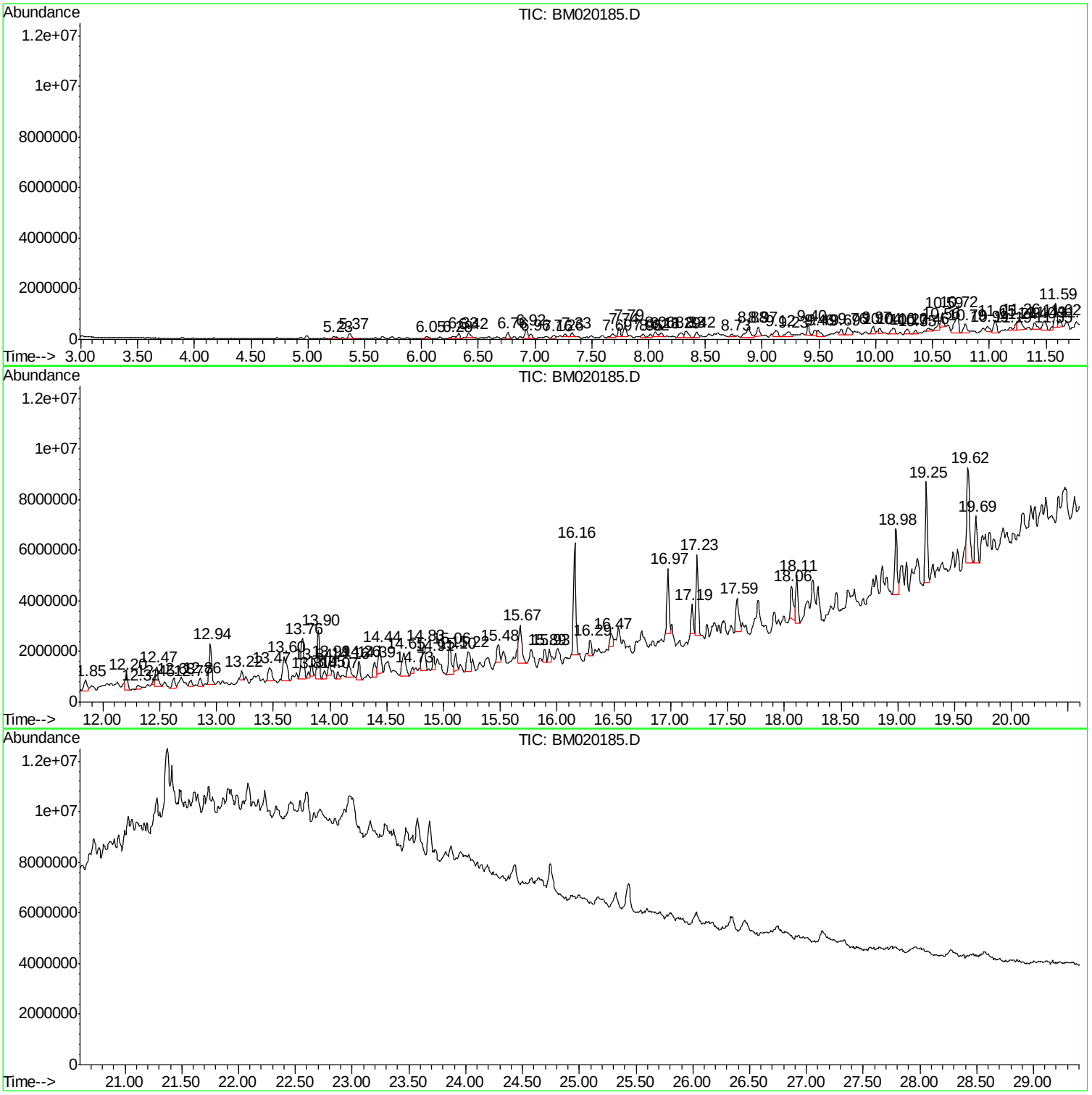
LSC Report - Integrated Chromatogram

Data Path : Z:\svoasrv\HPCHEM1\BNA M\Data\BM050719\
Data File : BM020185.D
Acq On : 08 May 2019 03:23
Operator : JU/SJ
Sample : K2704-06 10X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : SB-1(25-25.5)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM043019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P



Library Search Compound Report

Data Path : Z:\svoasrv\HPCHEM1\BNA M\Data\BM050719\
Data File : BM020185.D
Acq On : 08 May 2019 03:23
Operator : JU/SJ
Sample : K2704-06 10X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : SB-1(25-25.5)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM043019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

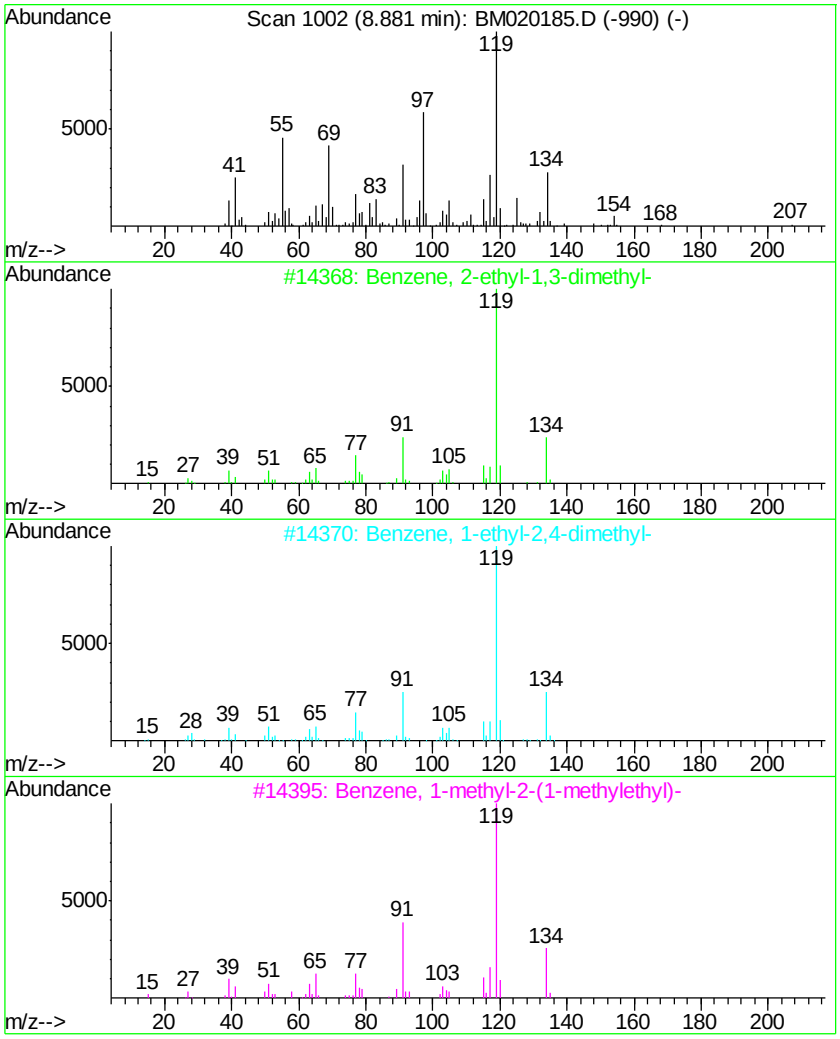
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

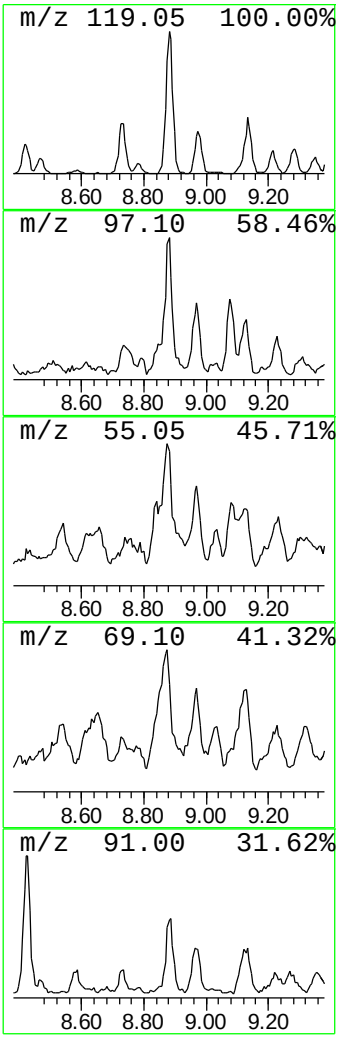
****

Peak Number 1 Benzene, 2-ethyl-1,3-dimethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.88	34.00 ng	1205420	1,4-Dichlorobenzene-d4	7.79

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	90
2	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	90
3	Benzene, 1-methyl-2-(1-methyleth...	134	C10H14	000527-84-4	87
4	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	87
5	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	87





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Acq On : 08 May 2019 03:23
Operator : JU/SJ
Sample : K2704-06 10X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : SB-1(25-25.5)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM043019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

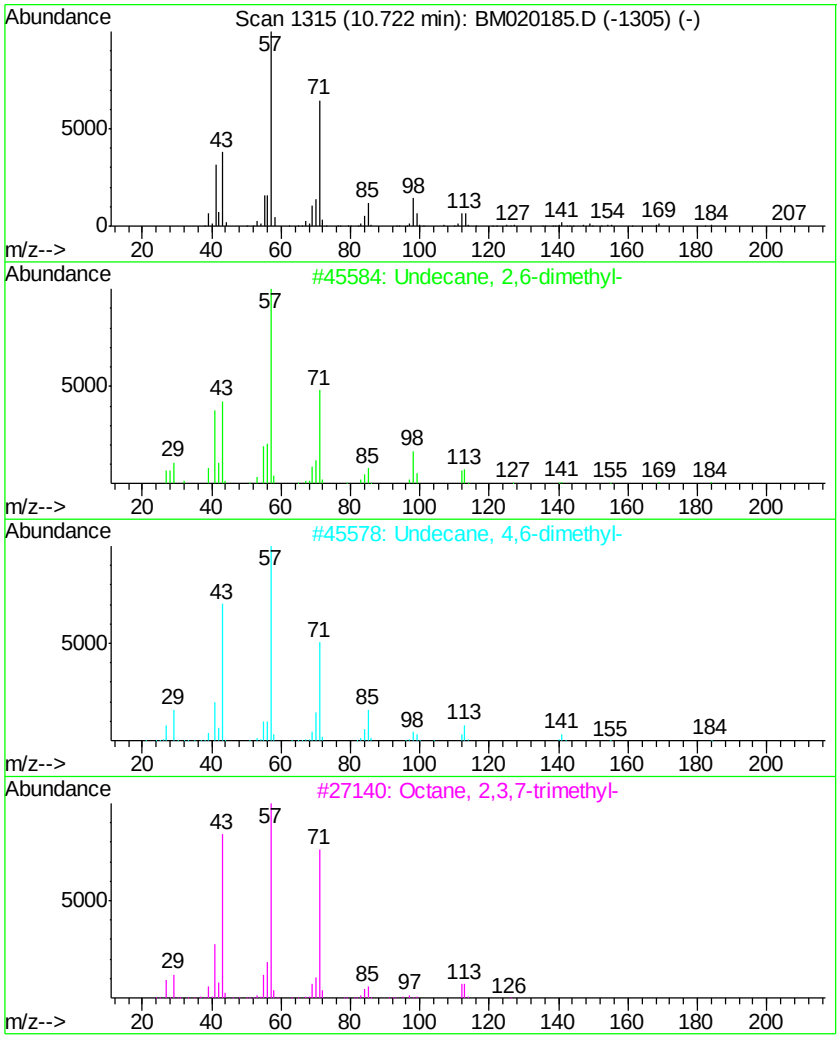
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

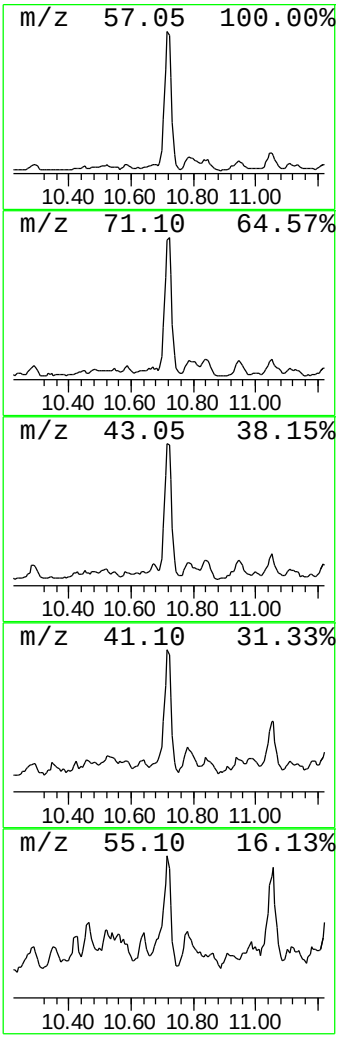
****

Peak Number 2 Undecane, 2,6-dimethyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.72	46.91 ng	2023970	Naphthalene-d8	10.59

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Undecane, 2,6-dimethyl-	184	C13H28	017301-23-4	72
2	Undecane, 4,6-dimethyl-	184	C13H28	017312-82-2	72
3	Octane, 2,3,7-trimethyl-	156	C11H24	062016-34-6	59
4	Octane, 3,6-dimethyl-	142	C10H22	015869-94-0	59
5	Decane, 6-ethyl-2-methyl-	184	C13H28	062108-21-8	59





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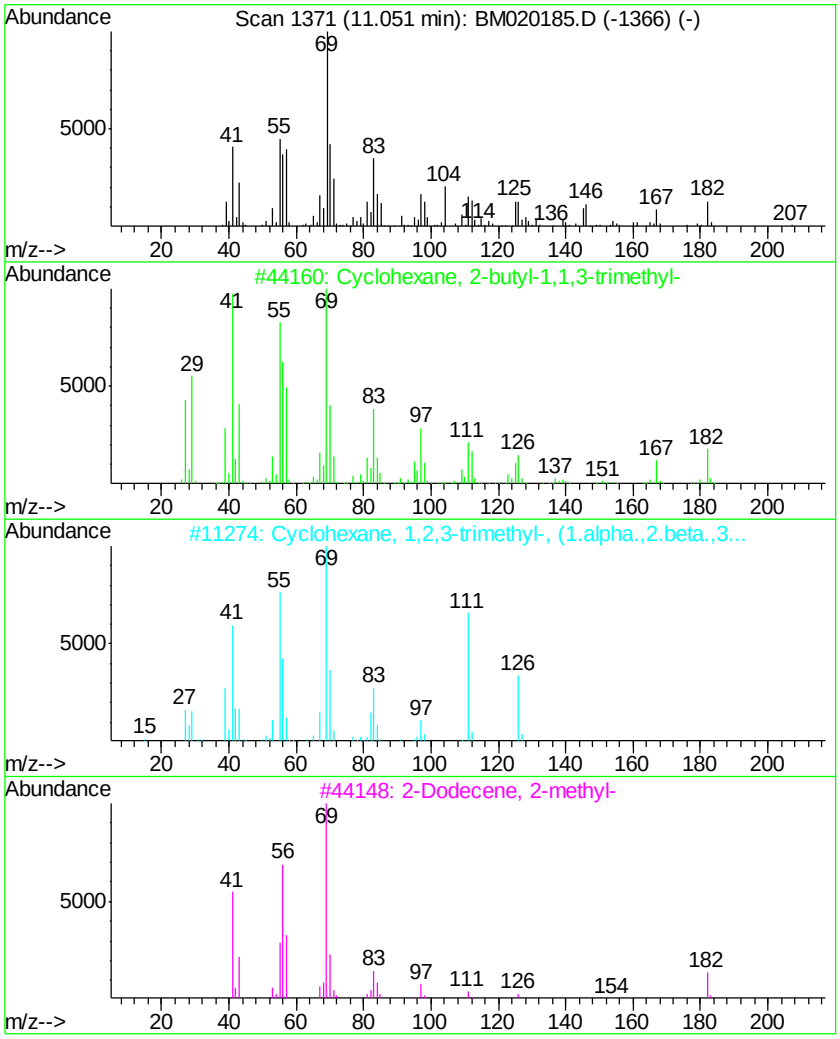
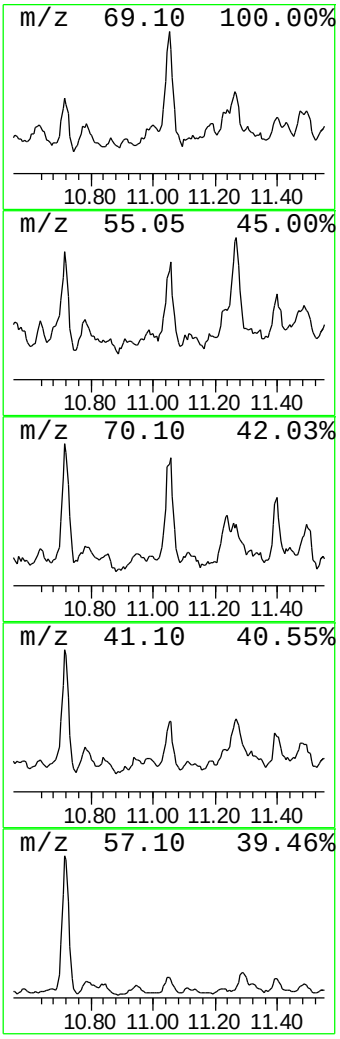
****

Peak Number 3 Cyclohexane, 2-butyl-1,1,3-... Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.05	20.87 ng	900469	Naphthalene-d8	10.59

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 2-butyl-1,1,3-trime...	182	C13H26	054676-39-0	74
2	Cyclohexane, 1,2,3-trimethyl-, (...	126	C9H18	001678-81-5	52
3	2-Dodecene, 2-methyl-	182	C13H26	055103-82-7	49
4	1-Hexene, 3,3-dimethyl-	112	C8H16	003404-77-1	47
5	2-Heptene, 4-methyl-, (E)-	112	C8H16	066225-17-0	47





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Misc :
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Instrument : BNA_M
ClientSampleId : SB-1(25-25.5)

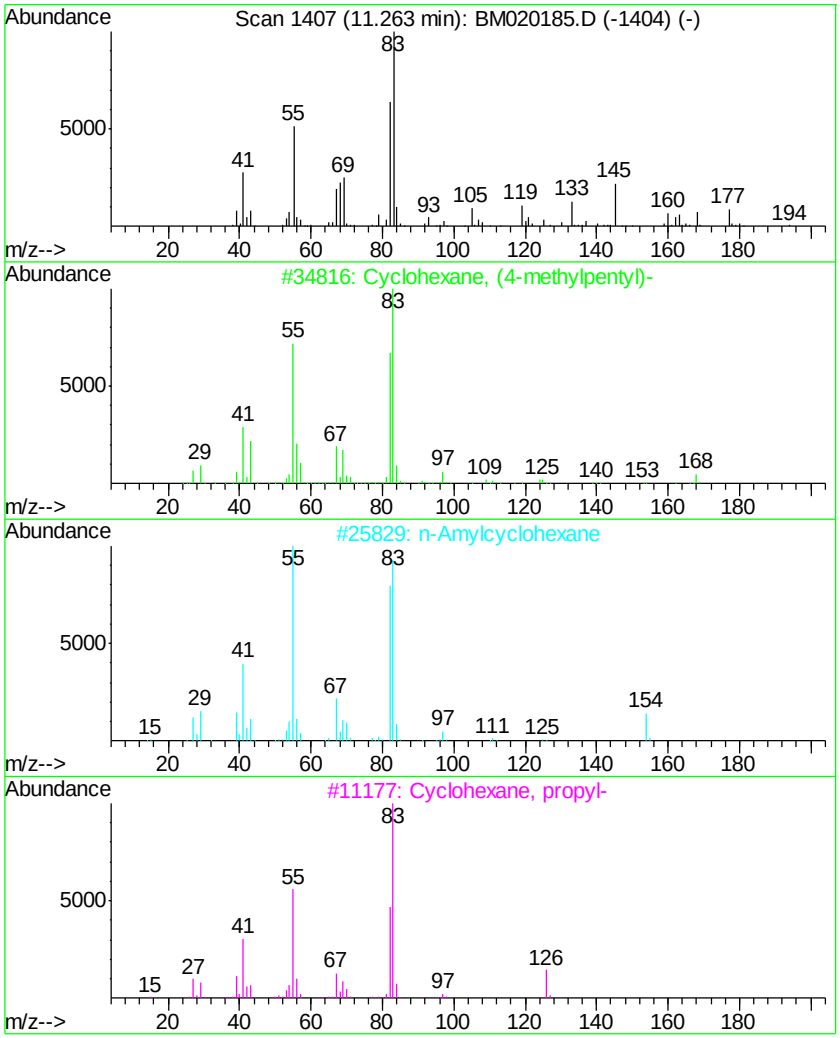
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM043019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

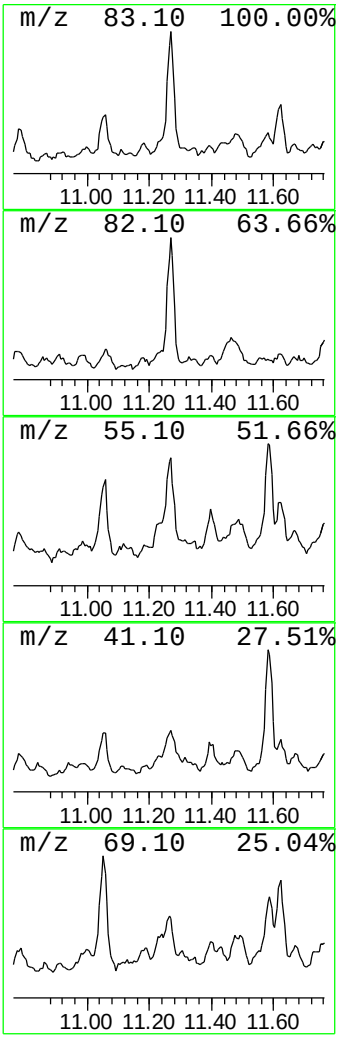
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 4 Cyclohexane, (4-methylpentyl)- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.26	23.16 ng	999370	Naphthalene-d8	10.59

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, (4-methylpentyl)-	168	C12H24	061142-20-9	58
2	n-Amylcyclohexane	154	C11H22	029949-27-7	50
3	Cyclohexane, propyl-	126	C9H18	001678-92-8	47
4	1H-Imidazole, 1-(cyclohexylcarbo...	178	C10H14N2O	060718-45-8	47
5	Methoxyacetic acid, cyclohexyl e...	172	C9H16O3	1000282-69-4	43





Library Search Compound Report

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Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : SB-1(25-25.5)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM043019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
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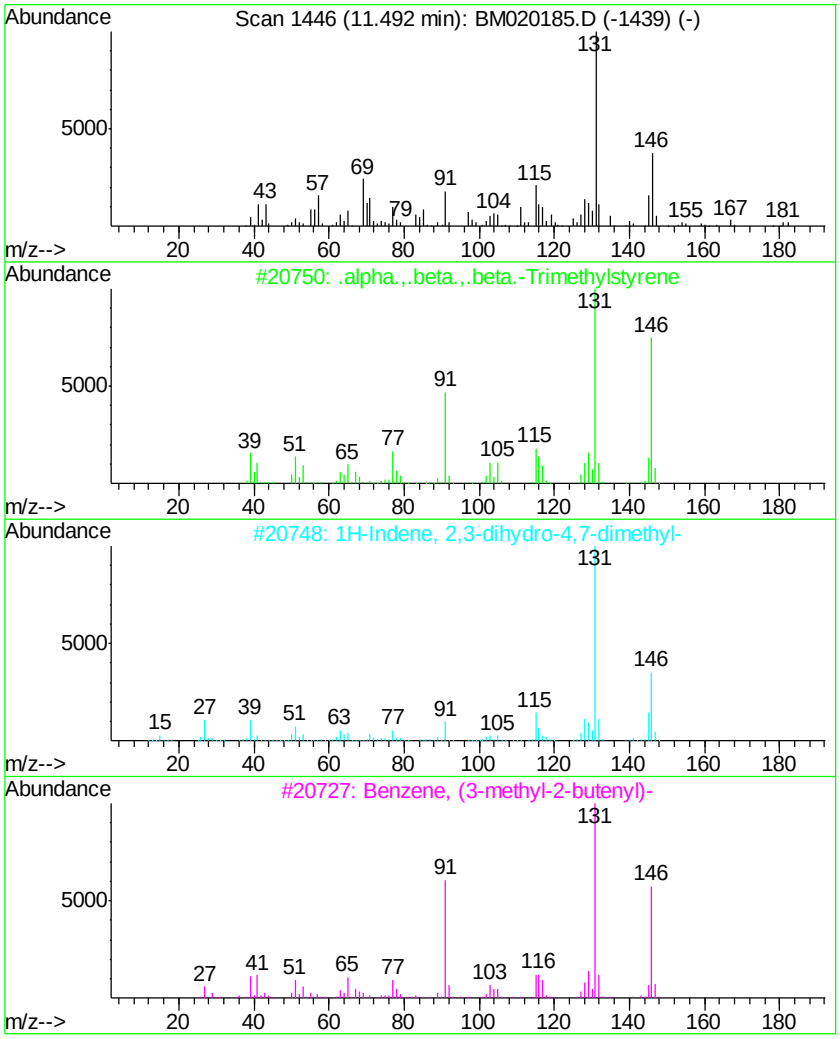
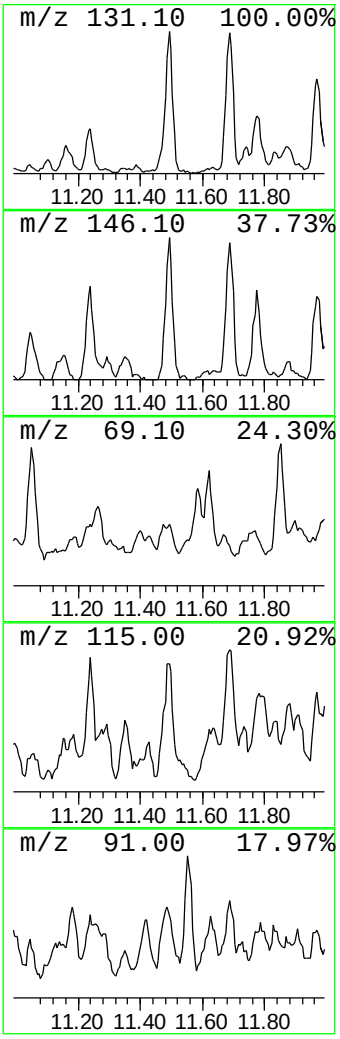
****

Peak Number 5 .alpha.,.beta.,.beta.-Trime... Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.49	21.54 ng	929253	Naphthalene-d8	10.59

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	.alpha.,.beta.,.beta.-Trimethyls...	146	C11H14	000769-57-3	95
2	1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	94
3	Benzene, (3-methyl-2-butenyl)-	146	C11H14	004489-84-3	93
4	Benzene, 1-methyl-4-(1-methyl-2-...	146	C11H14	097664-18-1	91
5	Benzene, (1-methyl-1-butenyl)-	146	C11H14	053172-84-2	90





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Operator : JU/SJ
Sample : K2704-06 10X
Misc :
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Instrument : BNA_M
ClientSampleId : SB-1(25-25.5)

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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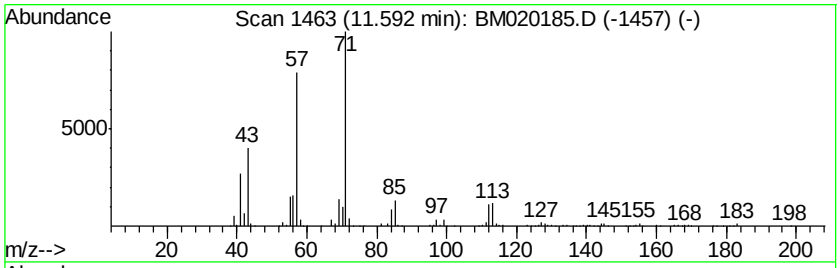
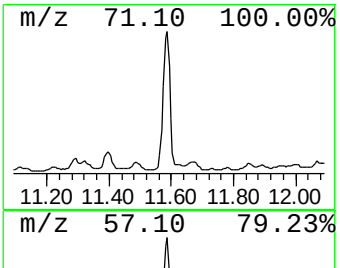
Peak Number 6 Octane, 3,6-dimethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.59	31.41 ng	1355170	Naphthalene-d8	10.59

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane, 3,6-dimethyl-	142	C10H22	015869-94-0	78
2	Octane, 2,3,7-trimethyl-	156	C11H24	062016-34-6	78
3	Octane, 2-bromo-	192	C8H17Br	000557-35-7	59
4	(+-)-3-Methyl-1-penten-3-ol	100	C6H12O	086361-10-6	50
5	Nonane, 2,3-dimethyl-	156	C11H24	002884-06-2	50





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ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : SB-1(25-25.5)

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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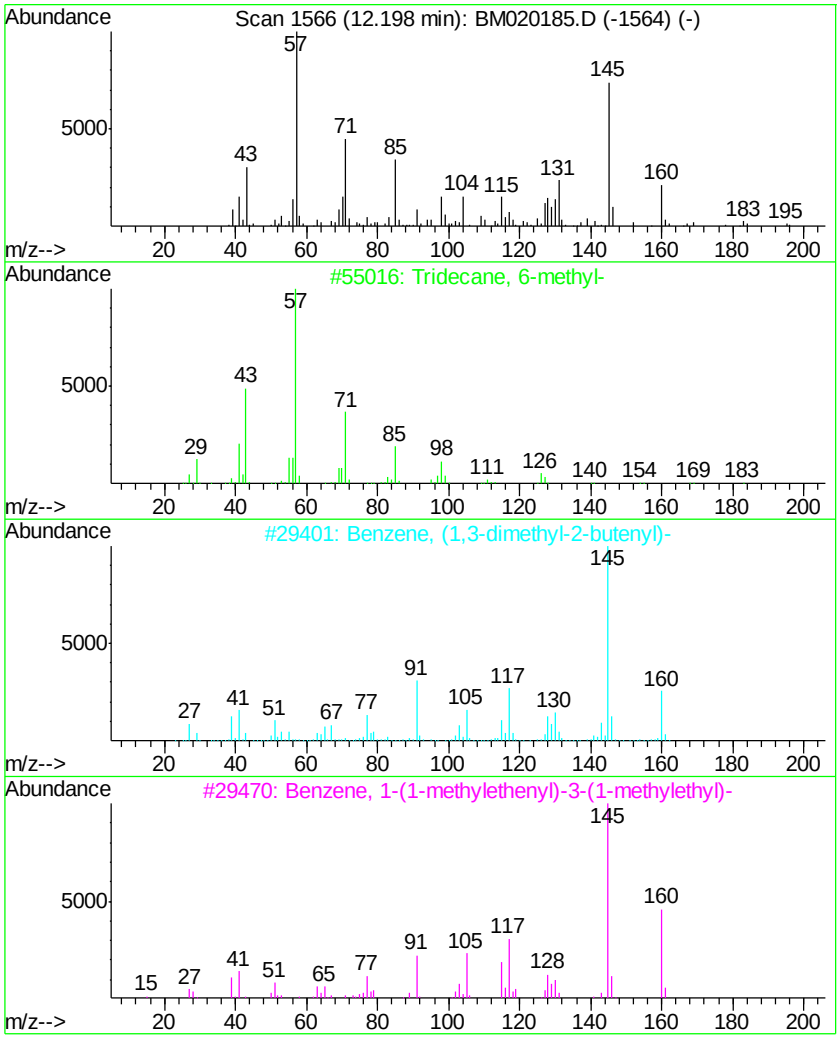
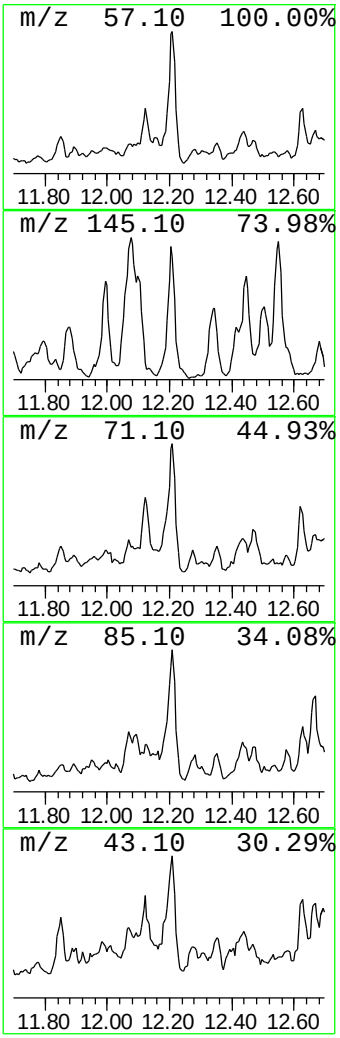
Peak Number 7 unknown12.20 Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.20	23.78 ng	1026010	Naphthalene-d8	10.59

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecane, 6-methyl-	198	C14H30	013287-21-3	43
2	Benzene, (1,3-dimethyl-2-butenyl)-	160	C12H16	050704-01-3	42
3	Benzene, 1-(1-methylethenyl)-3-(...	160	C12H16	001129-29-9	42
4	Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	025419-33-4	38
5	Undecane, 5-ethyl-	184	C13H28	017453-94-0	38





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Sample : K2704-06 10X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : SB-1(25-25.5)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM043019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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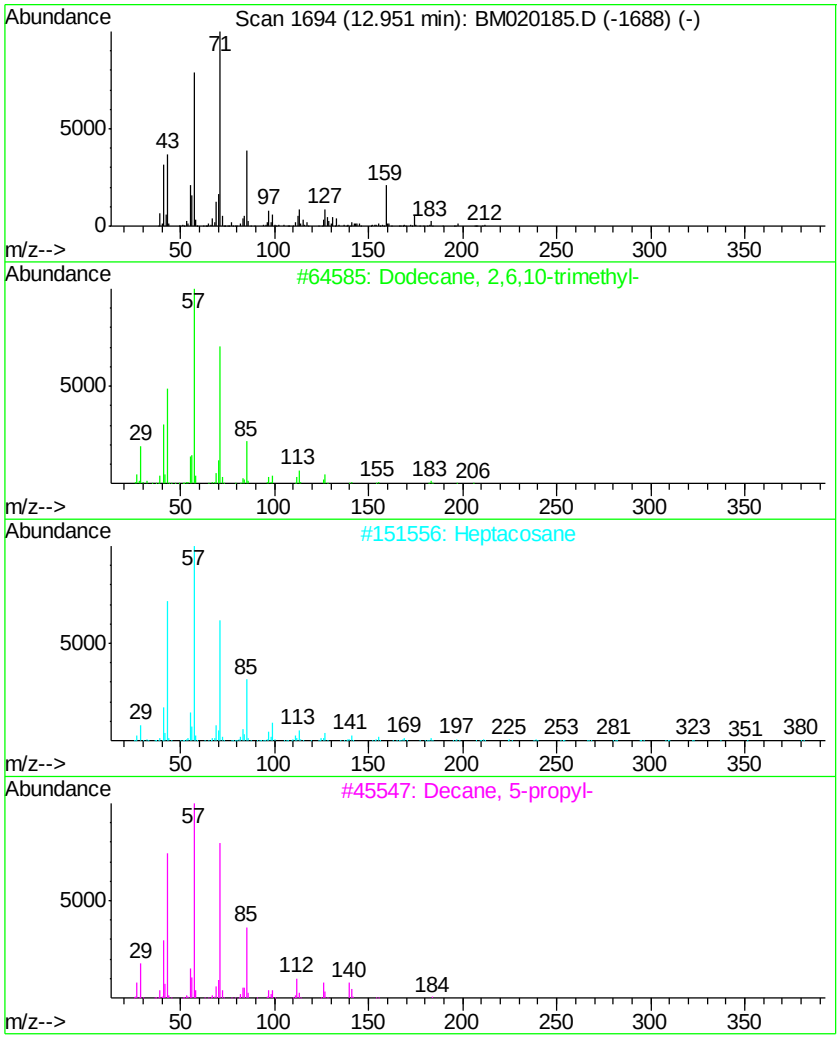
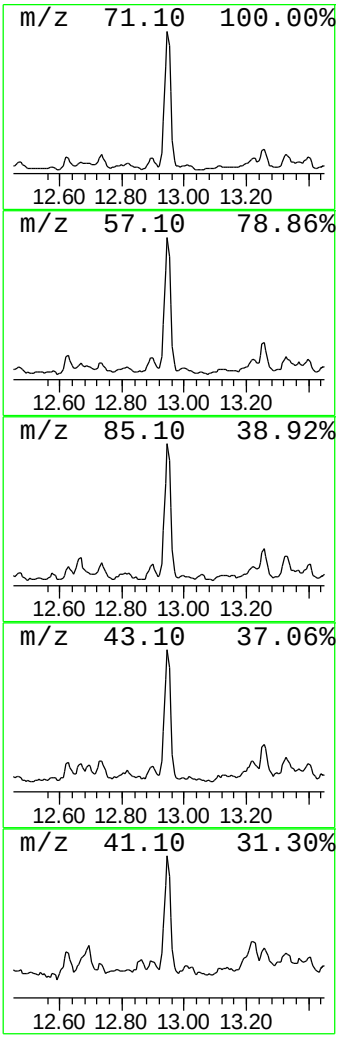
Peak Number 8 Dodecane, 2,6,10-trimethyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.95	27.86 ng	2457950	Acenaphthene-d10	14.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dodecane, 2,6,10-trimethyl-	212	C15H32	003891-98-3	59
2	Heptacosane	380	C27H56	000593-49-7	59
3	Decane, 5-propyl-	184	C13H28	017312-62-8	53
4	Nonane, 2,3-dimethyl-	156	C11H24	002884-06-2	49
5	Nonane, 3,7-dimethyl-	156	C11H24	017302-32-8	47





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Sample : K2704-06 10X
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Instrument : BNA_M
ClientSampleId : SB-1(25-25.5)

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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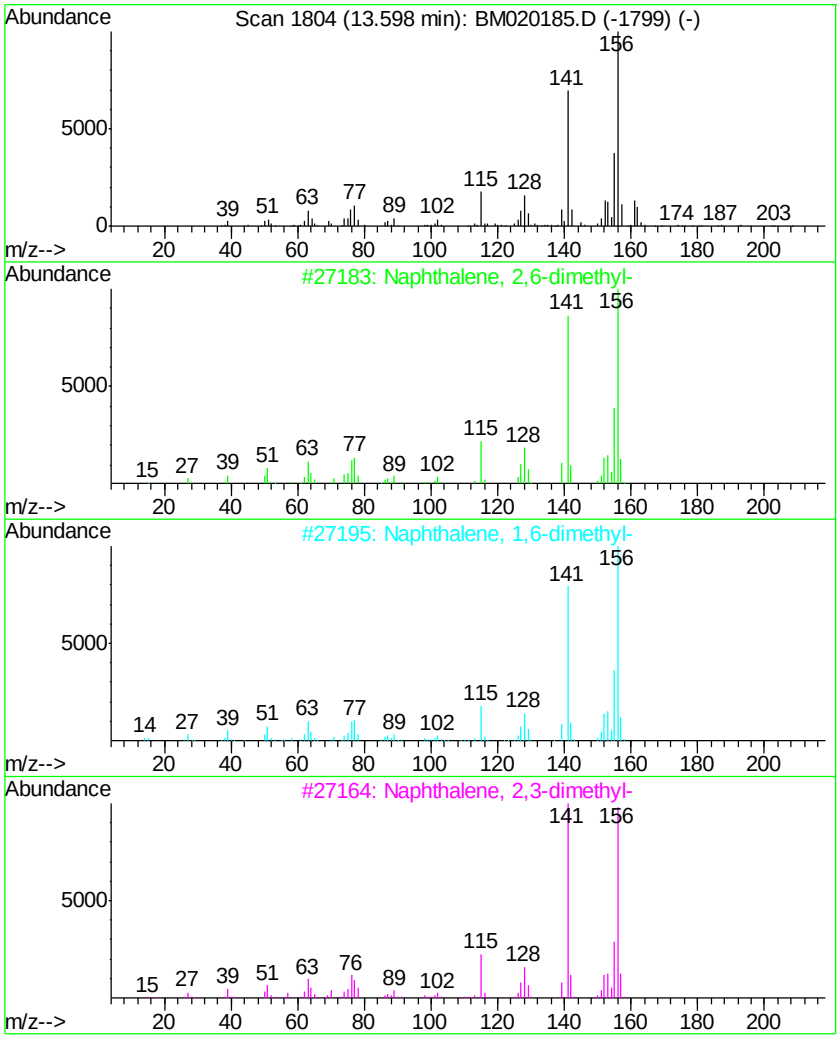
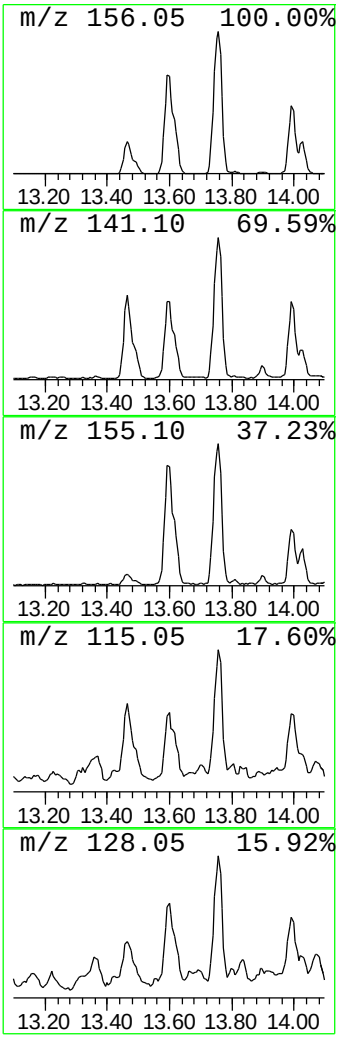
Peak Number 9 Naphthalene, 2,6-dimethyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.60	26.10 ng	2302570	Acenaphthene-d10	14.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	98
2	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	97
3	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	96
4	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	96
5	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	96





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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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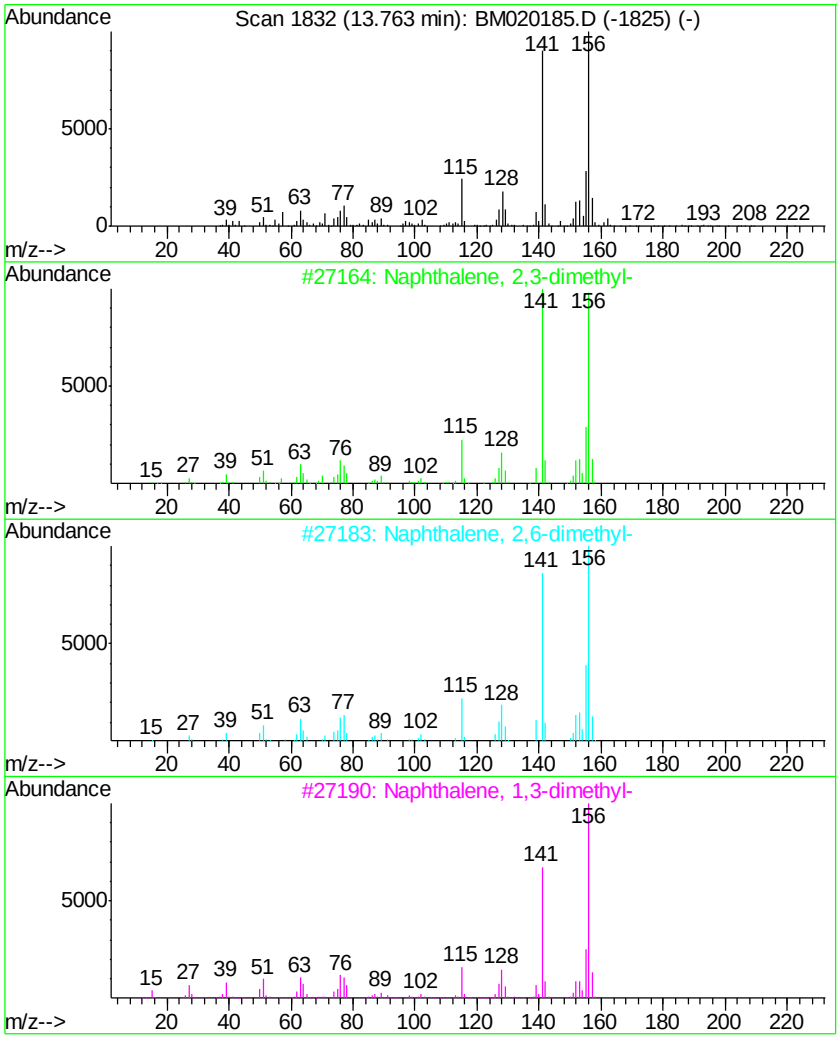
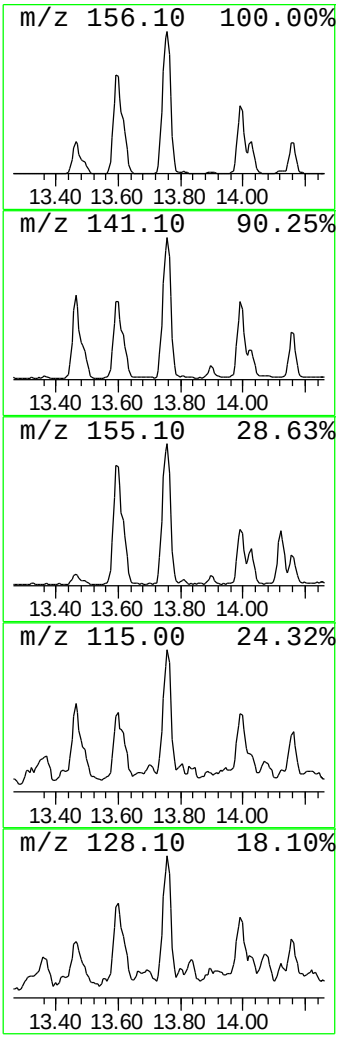
Peak Number 10 Naphthalene, 2,3-dimethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.76	33.57 ng	2961260	Acenaphthene-d10	14.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	98
2	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	97
3	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	96
4	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	96
5	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	96





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Sample : K2704-06 10X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : SB-1(25-25.5)

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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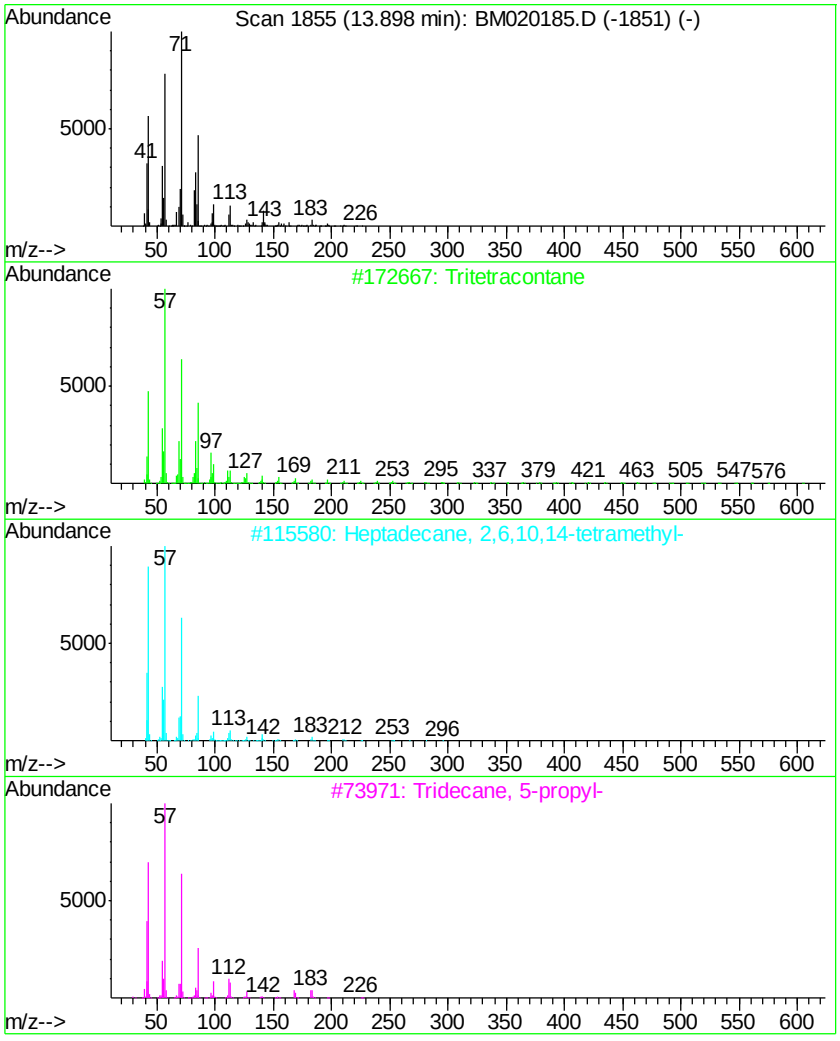
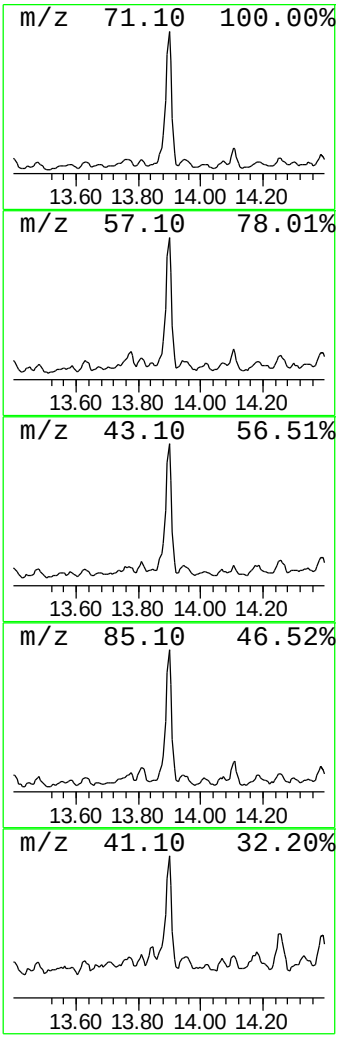
Peak Number 11 Tritetracontane Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.90	29.16 ng	2572130	Acenaphthene-d10	14.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tritetracontane	605	C43H88	007098-21-7	72
2	Heptadecane, 2,6,10,14-tetramethyl-	296	C21H44	018344-37-1	64
3	Tridecane, 5-propyl-	226	C16H34	055045-11-9	58
4	Dodecane	170	C12H26	000112-40-3	50
5	Pentadecane	212	C15H32	000629-62-9	50





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Sample : K2704-06 10X
Misc :
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Instrument : BNA_M
ClientSampleId : SB-1(25-25.5)

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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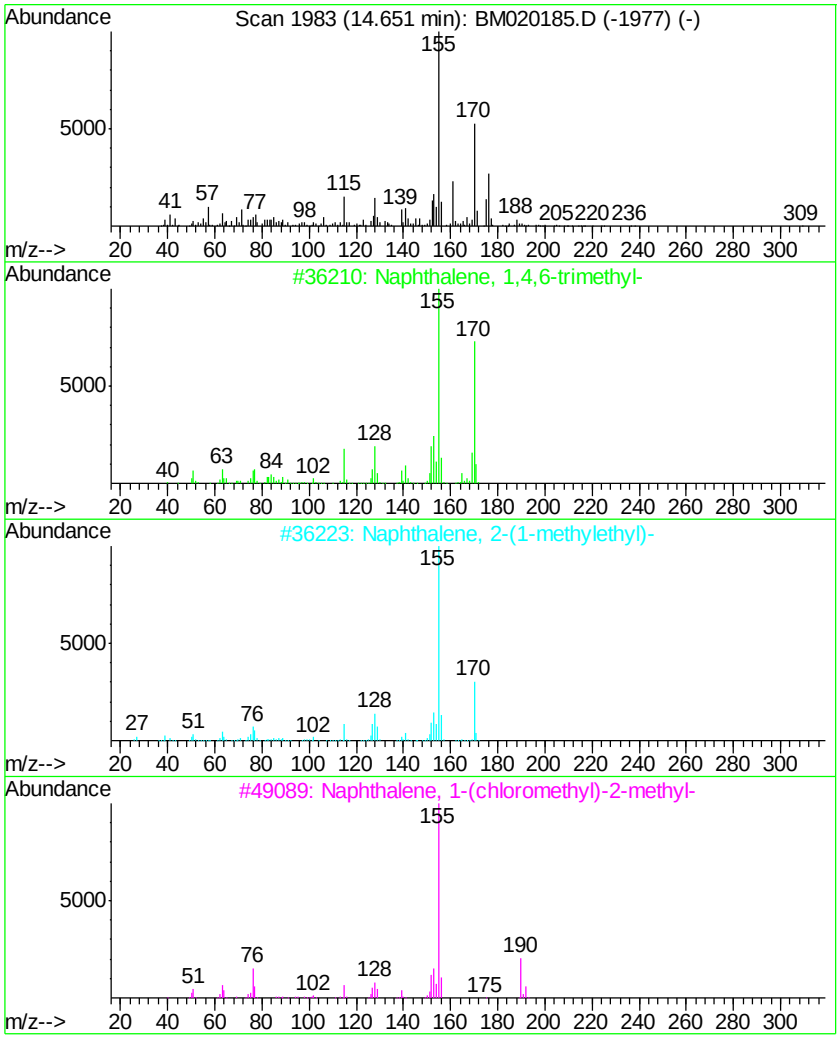
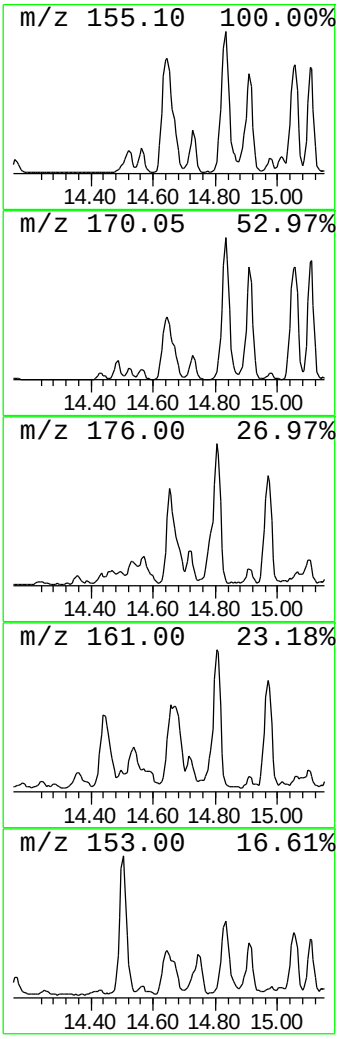
Peak Number 12 Naphthalene, 1,4,6-trimethyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.65	23.94 ng	2111810	Acenaphthene-d10	14.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	93
2	Naphthalene, 2-(1-methylethyl)-	170	C13H14	002027-17-0	76
3	Naphthalene, 1-(chloromethyl)-2-...	190	C12H11Cl	006626-23-9	55
4	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	55
5	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	55





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Sample : K2704-06 10X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : SB-1(25-25.5)

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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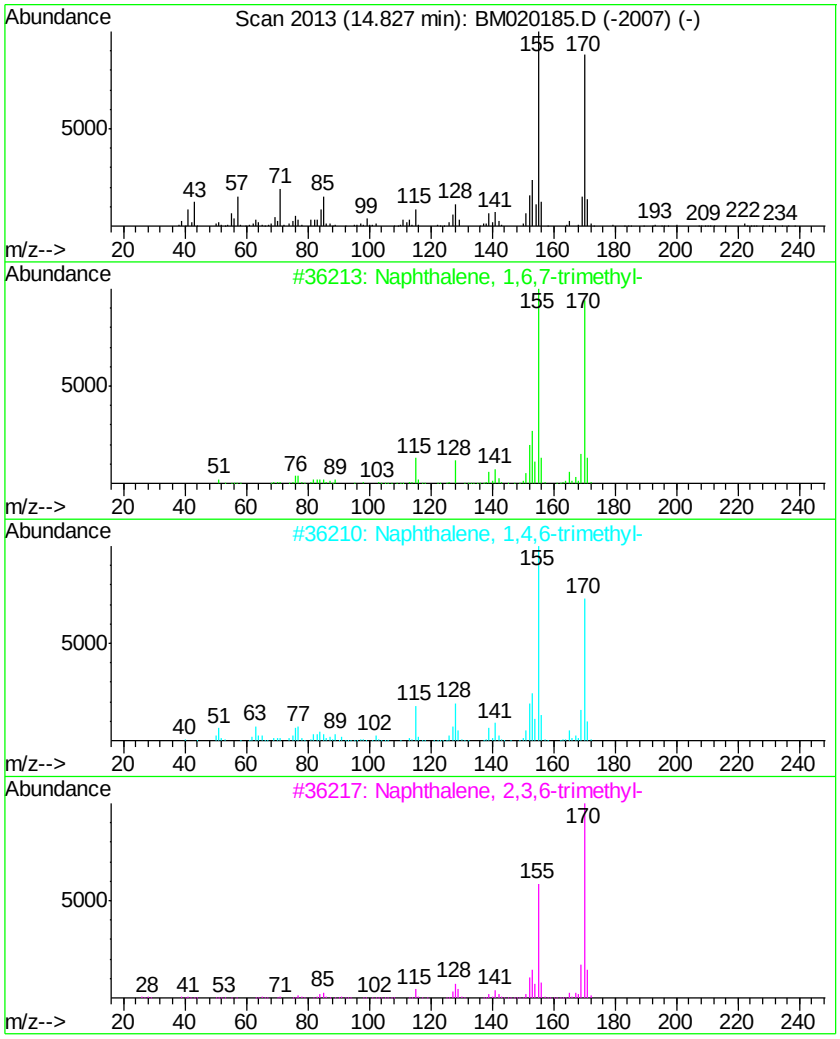
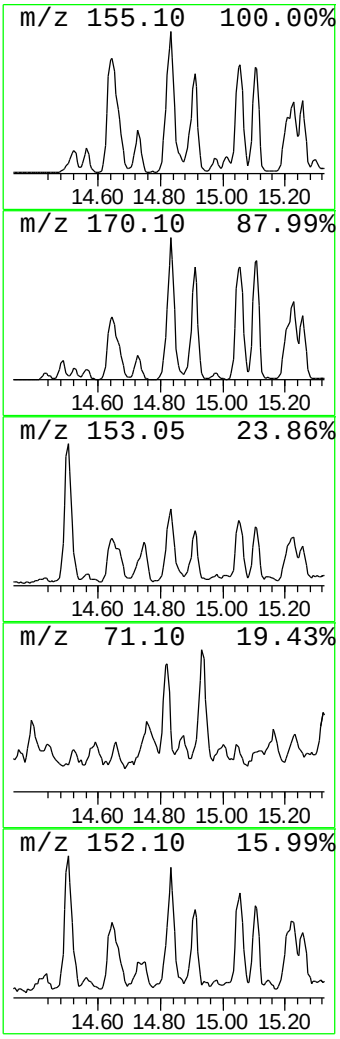
Peak Number 13 Naphthalene, 1,6,7-trimethyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.83	23.79 ng	2098590	Acenaphthene-d10	14.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	97
2	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	96
3	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	94
4	Azulene, 4,6,8-trimethyl-	170	C13H14	000941-81-1	94
5	1-(2,2-Dimethylcyclopropyl)-2-ph...	170	C13H14	1000294-91-1	87





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Instrument : BNA_M
ClientSampleId : SB-1(25-25.5)

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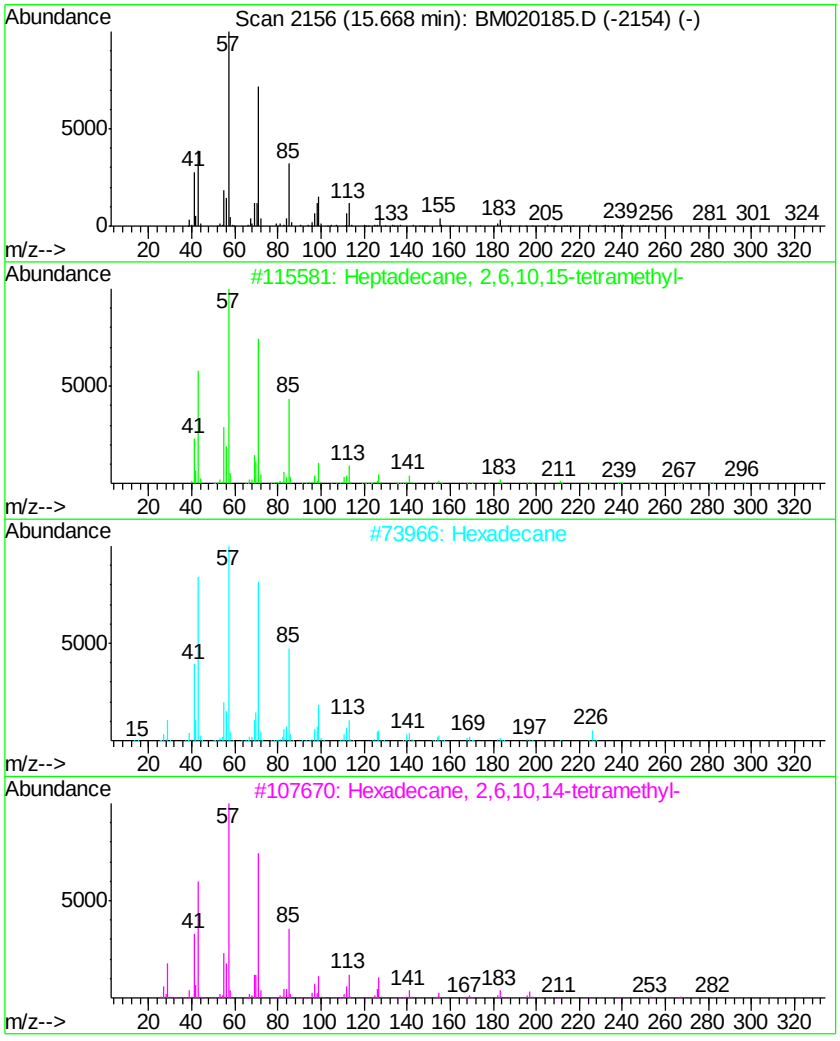
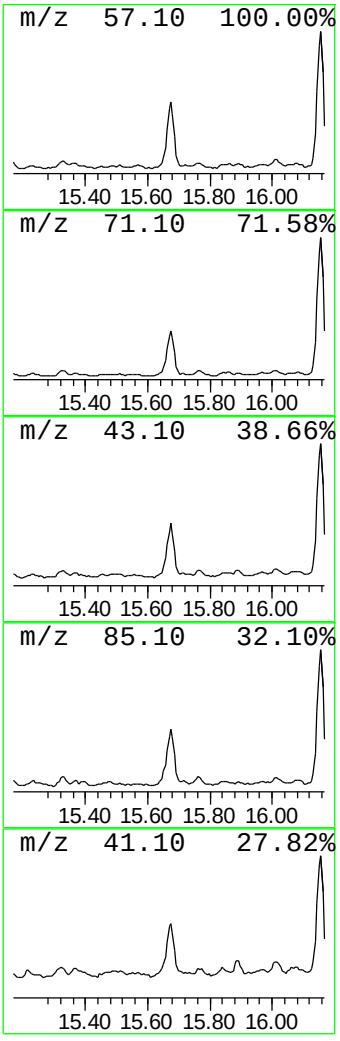
Peak Number 15 Heptadecane, 2,6,10,15-tetr... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.67	30.70 ng	2708590	Acenaphthene-d10	14.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptadecane, 2,6,10,15-tetramethyl-	296	C21H44	054833-48-6	80
2	Hexadecane	226	C16H34	000544-76-3	80
3	Hexadecane, 2,6,10,14-tetramethyl-	282	C20H42	000638-36-8	72
4	Pentacosane	352	C25H52	000629-99-2	72
5	Pentadecane, 8-heptyl-	310	C22H46	071005-15-7	72





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Instrument : BNA_M
ClientSampleId : SB-1(25-25.5)

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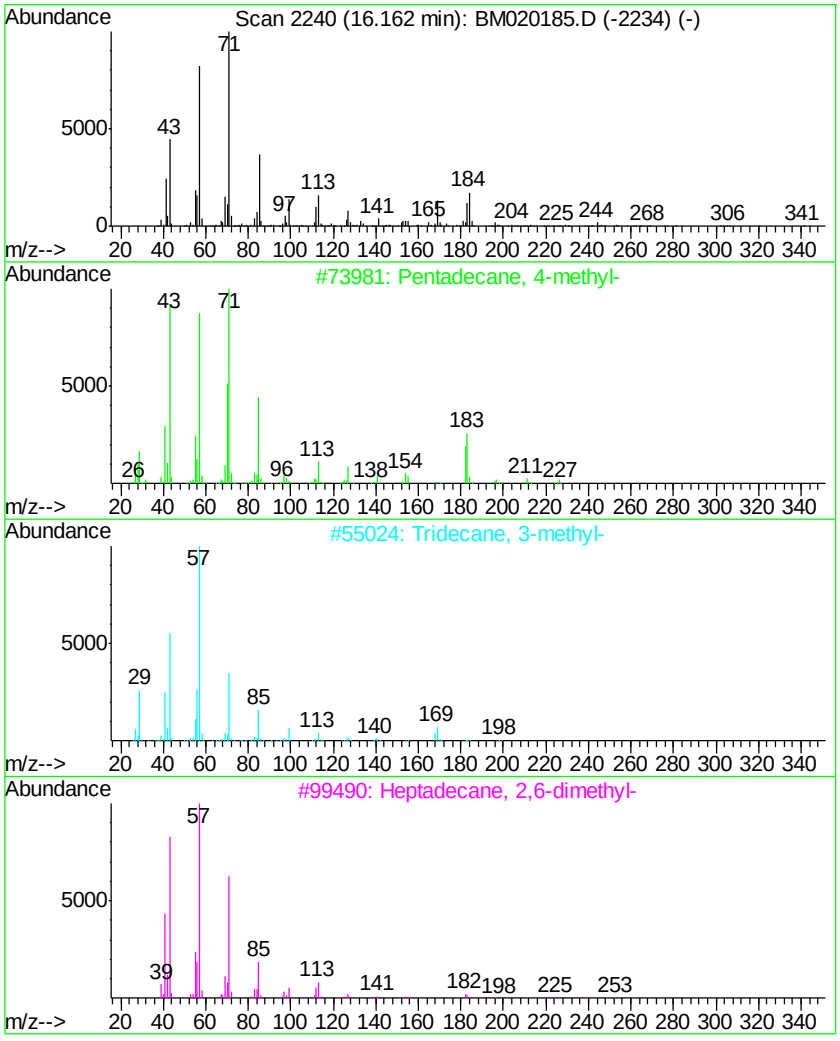
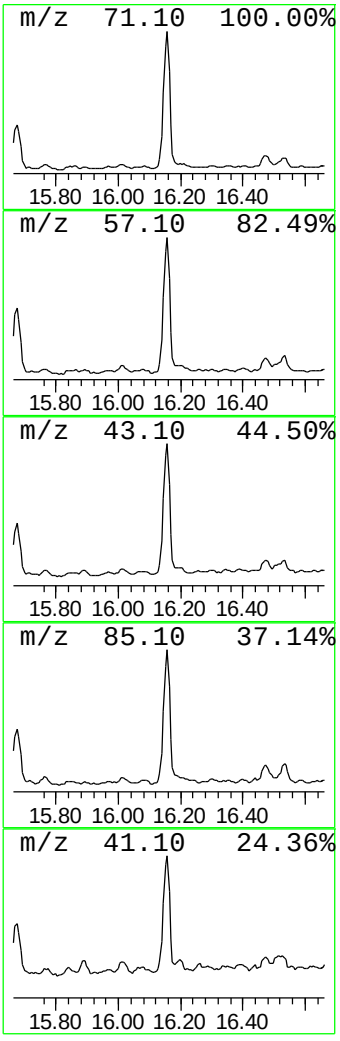
Peak Number 16 Pentadecane, 4-methyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.16	82.66 ng	6003260	Phenanthrene-d10	17.19

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentadecane, 4-methyl-	226	C16H34	002801-87-8	70
2	Tridecane, 3-methyl-	198	C14H30	006418-41-3	64
3	Heptadecane, 2,6-dimethyl-	268	C19H40	054105-67-8	62
4	Hexadecane, 2,6,11,15-tetramethyl-	282	C20H42	000504-44-9	58
5	Tridecane	184	C13H28	000629-50-5	53





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ClientSampleId : SB-1(25-25.5)

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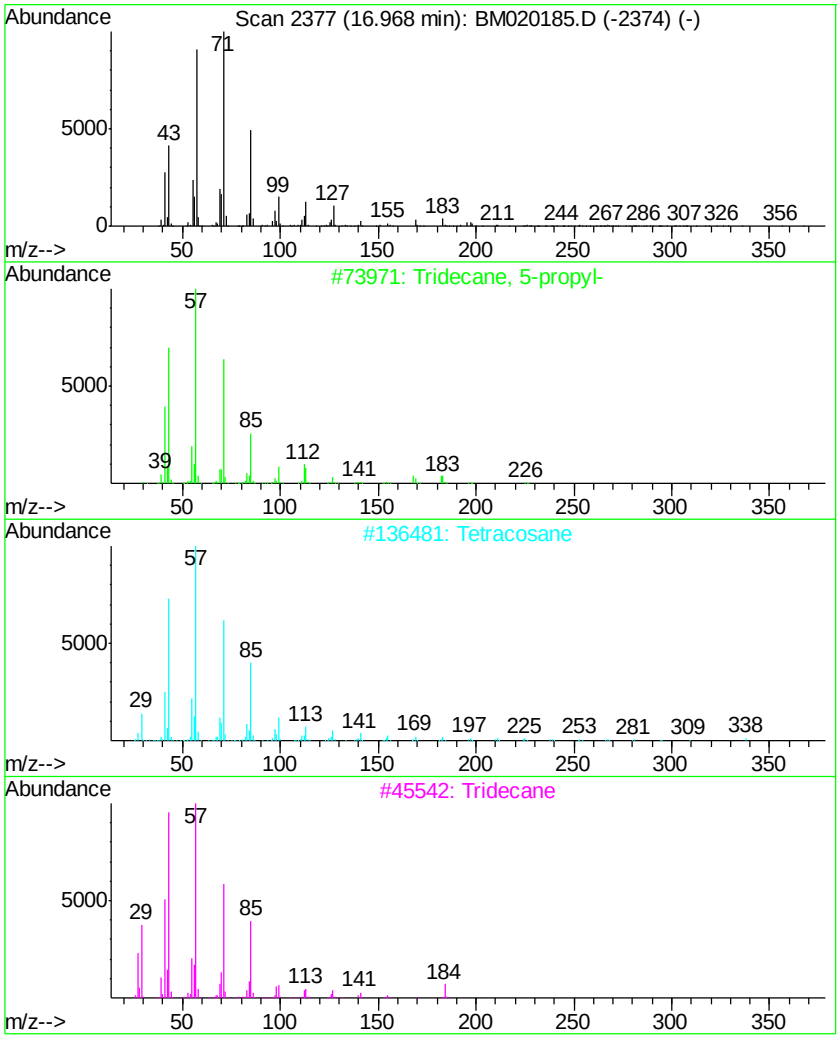
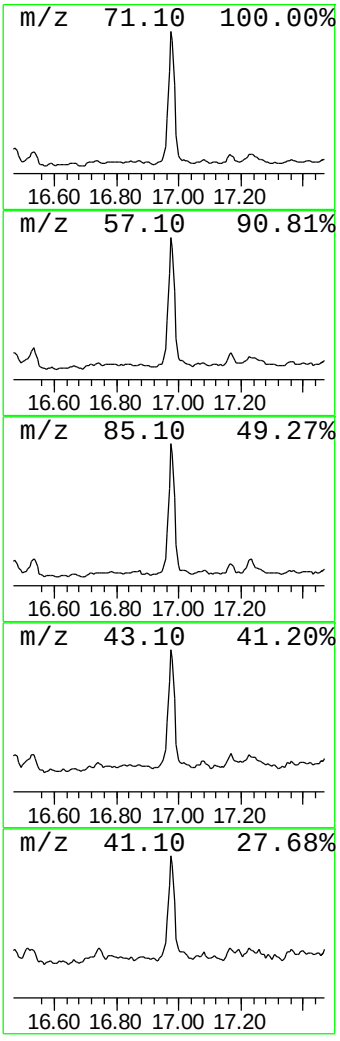
Peak Number 17 Tridecane, 5-propyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.97	47.97 ng	3483540	Phenanthrene-d10	17.19

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecane, 5-propyl-	226	C16H34	055045-11-9	76
2	Tetracosane	338	C24H50	000646-31-1	72
3	Tridecane	184	C13H28	000629-50-5	70
4	2-Bromo dodecane	248	C12H25Br	013187-99-0	70
5	Heptacosane	380	C27H56	000593-49-7	64





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Acq On : 08 May 2019 03:23
Operator : JU/SJ
Sample : K2704-06 10X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : SB-1(25-25.5)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM043019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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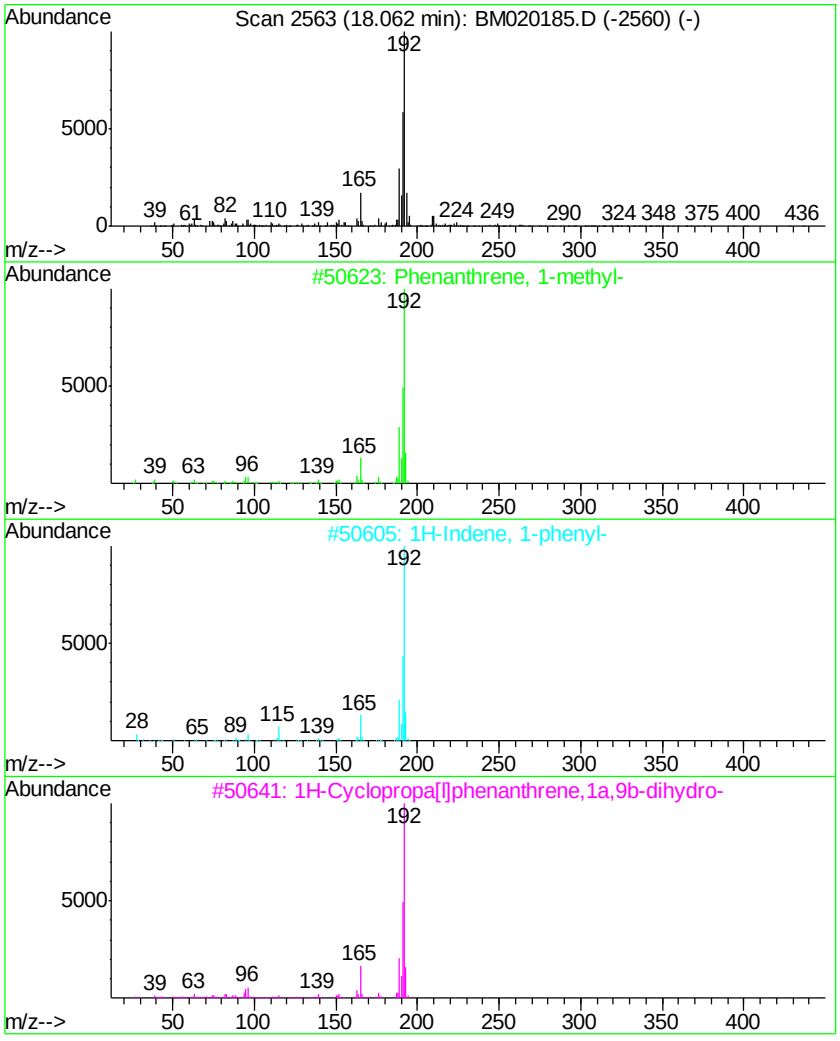
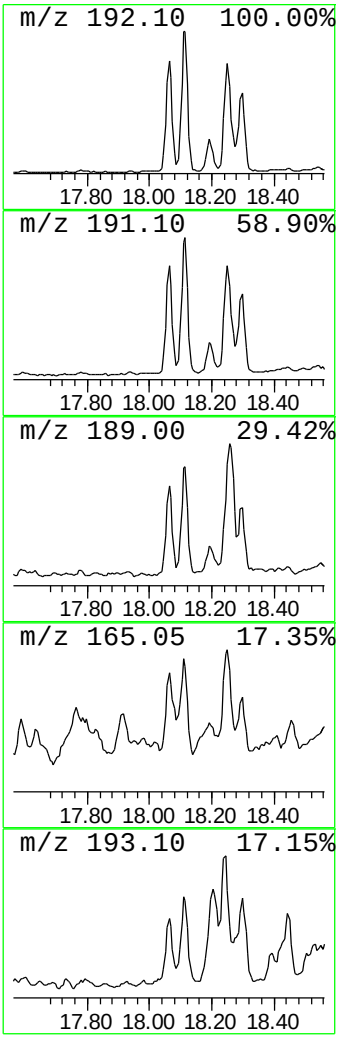
Peak Number 18 Phenanthrene, 1-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.06	31.54 ng	2290700	Phenanthrene-d10	17.19

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
2	1H-Indene, 1-phenyl-	192	C15H12	001961-96-2	94
3	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	94
4	1H-Indene, 3-phenyl-	192	C15H12	001961-97-3	94
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	90





Data Path : Z:\svoasrv\HPCHEM1\BNA M\Data\BM050719\
Data File : BM020185.D
Acq On : 08 May 2019 03:23
Operator : JU/SJ
Sample : K2704-06 10X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : SB-1(25-25.5)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM043019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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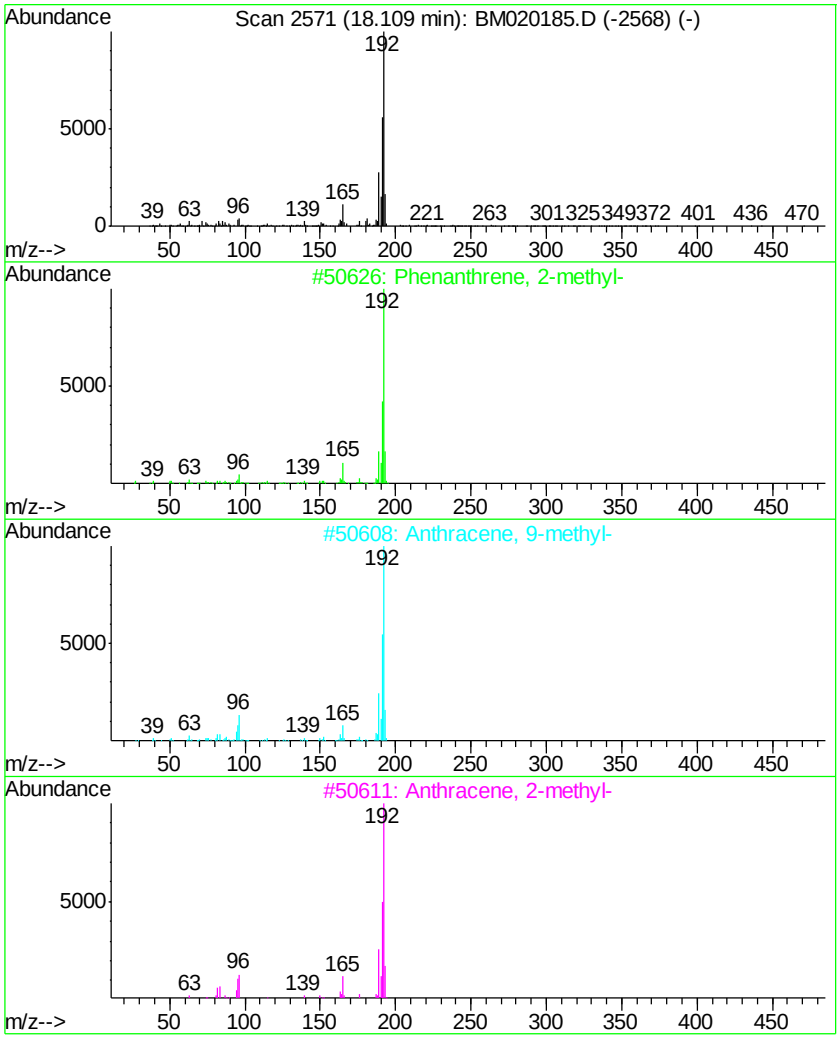
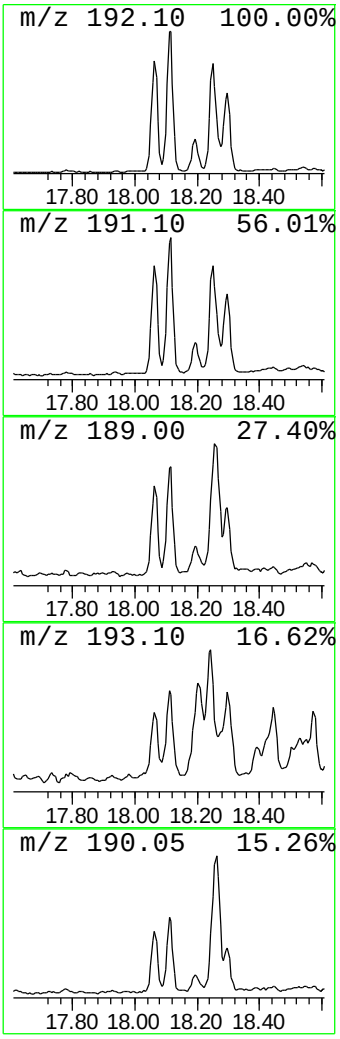
Peak Number 19 Phenanthrene, 2-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.11	36.41 ng	2644090	Phenanthrene-d10	17.19

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
2	Anthracene, 9-methyl-	192	C15H12	000779-02-2	95
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	94
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	94
5	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	93





Data Path : Z:\svoasrv\HPCHEM1\BNA M\Data\BM050719\
Data File : BM020185.D
Acq On : 08 May 2019 03:23
Operator : JU/SJ
Sample : K2704-06 10X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : SB-1(25-25.5)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM043019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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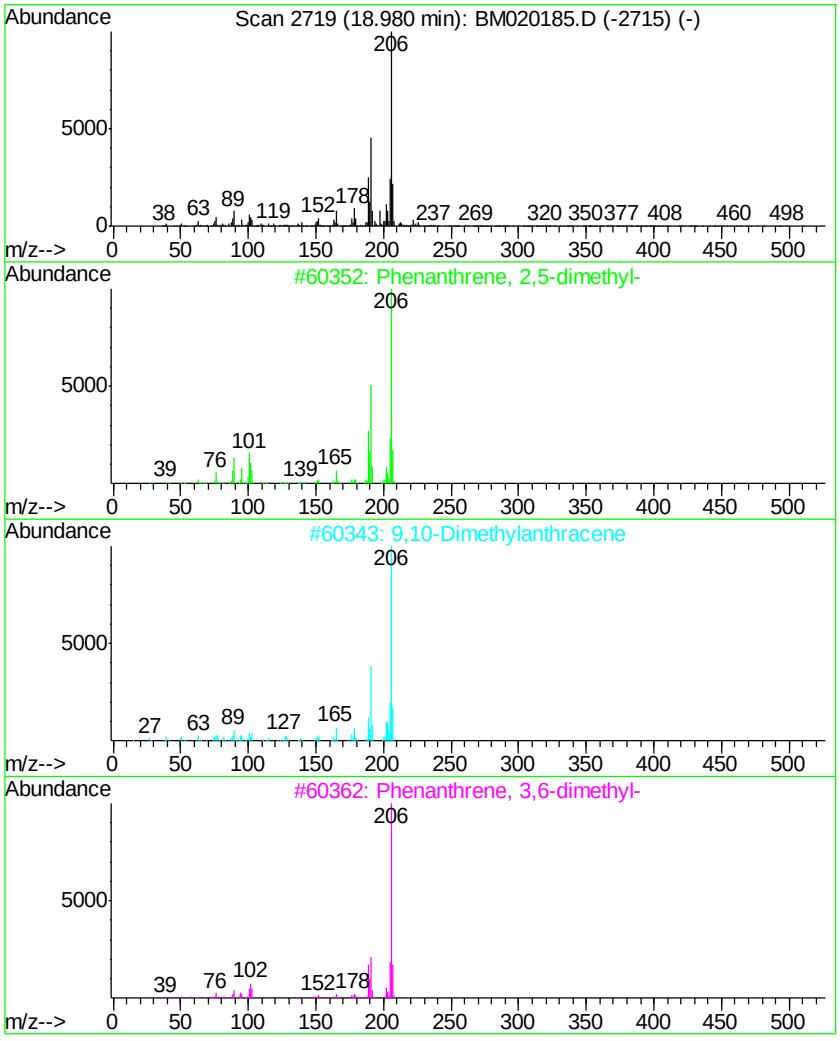
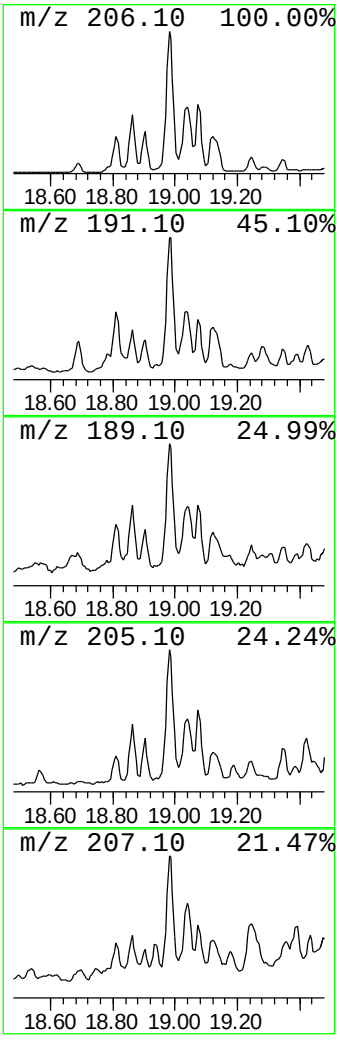
Peak Number 20 Phenanthrene, 2,5-dimethyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.98	57.88 ng	4203450	Phenanthrene-d10	17.19

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	95
2	9,10-Dimethylanthracene	206	C16H14	000781-43-1	91
3	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	91
4	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	91
5	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	89





Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050719\
Data File : BM020185.D
Acq On : 08 May 2019 03:23
Operator : JU/SJ
Sample : K2704-06 10X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : SB-1(25-25.5)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM043019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Benzene, 2-ethyl-...	8.88	34.0	ng	1205420	1	7.79	709107	20.0
Undecane, 2,6-dim...	10.72	46.9	ng	2023970	2	10.59	862833	20.0
Cyclohexane, 2-bu...	11.05	20.9	ng	900469	2	10.59	862833	20.0
Cyclohexane, (4-m...	11.26	23.2	ng	999370	2	10.59	862833	20.0
.alpha.,.beta.,.b...	11.49	21.5	ng	929253	2	10.59	862833	20.0
Octane, 3,6-dimet...	11.59	31.4	ng	1355170	2	10.59	862833	20.0
unknown12.20	12.20	23.8	ng	1026010	2	10.59	862833	20.0
Dodecane, 2,6,10-...	12.95	27.9	ng	2457950	3	14.44	1764310	20.0
Naphthalene, 2,6-...	13.60	26.1	ng	2302570	3	14.44	1764310	20.0
Naphthalene, 2,3-...	13.76	33.6	ng	2961260	3	14.44	1764310	20.0
Tritetracontane	13.90	29.2	ng	2572130	3	14.44	1764310	20.0
Naphthalene, 1,4,...	14.65	23.9	ng	2111810	3	14.44	1764310	20.0
Naphthalene, 1,6,...	14.83	23.8	ng	2098590	3	14.44	1764310	20.0
Heptadecane, 2,6,...	15.67	30.7	ng	2708590	3	14.44	1764310	20.0
Pentadecane, 4-me...	16.16	82.7	ng	6003260	4	17.19	1452490	20.0
Tridecane, 5-propyl-	16.97	48.0	ng	3483540	4	17.19	1452490	20.0
Phenanthrene, 1-m...	18.06	31.5	ng	2290700	4	17.19	1452490	20.0
Phenanthrene, 2-m...	18.11	36.4	ng	2644090	4	17.19	1452490	20.0
Phenanthrene, 2,5...	18.98	57.9	ng	4203450	4	17.19	1452490	20.0