LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM022019\
Data File : BM018879.D
Acq On : 20 Feb 2019 12:01
Operator : JU/SJ
Sample : K1528-04
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : MW-4

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-BM021119.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	5.293	368	375	386	rBV	2074895	3110862	15.51%	1.981%
2	6.875	638	644	657	rBV	1208218	2100413	10.47%	1.338%
3	7.234	697	705	721	rBV	4244573	6702203	33.41%	4.268%
4	7.587	760	765	772	rVB	159528	254444	1.27%	0.162%
5	7.698	778	784	792	rBV	1006230	1602910	7.99%	1.021%
6	8.016	831	838	844	rBV	4309291	6796509	33.88%	4.328%
7	8.175	859	865	871	rBV	357631	532199	2.65%	0.339%
8	8.792	959	970	976	rBV2	275967	474571	2.37%	0.302%
9	8.869	976	983	997	rBV	4002145	6718935	33.50%	4.279%
10	9.022	1003	1009	1019	rVB4	164767	355837	1.77%	0.227%
11	9.563	1093	1101	1107	rVV	174743	292338	1.46%	0.186%
12	9.675	1112	1120	1125	rBV	492834	816033	4.07%	0.520%
13	9.734	1125	1130	1132	rVV	204635	338920	1.69%	0.216%
14	9.757	1132	1134	1141	rVB	183055	262964	1.31%	0.167%
15	10.045	1176	1183	1189	rBV4	151861	321150	1.60%	0.205%
16	10.175	1199	1205	1213	rVB	232196	405766	2.02%	0.258%
17	10.351	1228	1235	1239	rBV3	165274	337759	1.68%	0.215%
18	10.398	1239	1243	1245	rVV	260691	428666	2.14%	0.273%
19	10.433	1245	1249	1250	rVV	657170	930693	4.64%	0.593%
20	10.457	1250	1253	1255	rVV	801546	1273297	6.35%	0.811%
21	10.486	1255	1258	1262	rVV	1355982	2198645	10.96%	1.400%
22	10.533	1262	1266	1271	rVV3	615693	1252507	6.24%	0.798%
23	10.586	1271	1275	1283	rVV	1110697	1951337	9.73%	1.243%
24	10.663	1283	1288	1289	rVV	180888	267744	1.33%	0.171%
25	10.692	1289	1293	1301	rVB	295641	513744	2.56%	0.327%
26	10.781	1301	1308	1313	rBV	146526	258207	1.29%	0.164%
27	10.945	1330	1336	1344	rVB	1705325	2707184	13.50%	1.724%
28	11.057	1348	1355	1364	rBV	1069564	1820139	9.07%	1.159%
29	11.139	1364	1369	1372	rVV	214827	368560	1.84%	0.235%
30	11.251	1382	1388	1393	rBV2	184431	323999	1.62%	0.206%
31	11.392	1404	1412	1417	rBV	591735	1059477	5.28%	0.675%
32	11.504	1424	1431	1441	rBV5	163337	488111	2.43%	0.311%
33	11.598	1441	1447	1453	rVV5	148085	303413	1.51%	0.193%
34	11.675	1453	1460	1468	rBV	3055141	5190629	25.88%	3.306%

LSC Area Percent Report

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Misc :
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Instrument : BNA_M
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Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
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Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM021119.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	11.775	1473	1477	1481	rVV	220720	454796	2.27%	0.290%
36	11.869	1488	1493	1502	rVV2	358878	874892	4.36%	0.557%
37	11.975	1502	1511	1516	rVV2	402472	1098720	5.48%	0.700%
38	12.039	1519	1522	1529	rVV5	151070	337723	1.68%	0.215%
39	12.110	1529	1534	1543	rVB2	207910	416849	2.08%	0.265%
40	12.351	1570	1575	1579	rBV	210063	303754	1.51%	0.193%
41	12.404	1579	1584	1589	rVV2	1199488	2072658	10.33%	1.320%
42	12.451	1589	1592	1595	rVV2	399592	620733	3.09%	0.395%
43	12.480	1595	1597	1603	rVB	463359	583119	2.91%	0.371%
44	12.657	1624	1627	1633	rVV	357716	526947	2.63%	0.336%
45	12.716	1633	1637	1641	rVV	318116	413955	2.06%	0.264%
46	12.822	1649	1655	1659	rBV	274024	466283	2.32%	0.297%
47	12.886	1662	1666	1670	rVV	338880	522090	2.60%	0.332%
48	12.963	1670	1679	1688	rVV	9044393	13512096	67.36%	8.605%
49	13.180	1710	1716	1721	rBV2	765225	1187101	5.92%	0.756%
50	13.280	1727	1733	1738	rVB2	511169	853707	4.26%	0.544%
51	13.333	1738	1742	1748	rBV2	286904	546628	2.73%	0.348%
52	13.398	1748	1753	1757	rBV2	354362	484818	2.42%	0.309%
53	13.663	1793	1798	1802	rBV5	166643	306756	1.53%	0.195%
54	13.704	1802	1805	1810	rVB3	190515	313408	1.56%	0.200%
55	13.810	1818	1823	1827	rBV	314009	515666	2.57%	0.328%
56	14.351	1903	1915	1922	rBV3	2753554	4979937	24.83%	3.171%
57	14.521	1940	1944	1947	rBV3	150560	236636	1.18%	0.151%
58	14.663	1964	1968	1973	rBV	165373	238657	1.19%	0.152%
59	14.751	1978	1983	1989	rVV	564167	957067	4.77%	0.610%
60	14.827	1993	1996	2004	rVB6	159831	297531	1.48%	0.189%
61	14.968	2014	2020	2031	rVB3	556454	1054644	5.26%	0.672%
62	15.092	2031	2041	2052	rBV4	325202	817493	4.08%	0.521%
63	15.186	2052	2057	2061	rBV4	269043	495806	2.47%	0.316%
64	15.321	2077	2080	2084	rVB	411465	508322	2.53%	0.324%
65	15.398	2088	2093	2097	rBV	1297455	1867241	9.31%	1.189%
66	15.527	2110	2115	2119	rBV	1267053	1827499	9.11%	1.164%
67	15.574	2119	2123	2130	rVB2	990510	1548268	7.72%	0.986%
68	15.674	2133	2140	2151	rBV2	1753928	3117311	15.54%	1.985%
69	15.757	2151	2154	2160	rVB3	180685	240362	1.20%	0.153%
70	15.845	2161	2169	2176	rBV	7114585	10635533	53.02%	6.773%
71	15.939	2181	2185	2193	rVB5	198766	465969	2.32%	0.297%

LSC Area Percent Report

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Misc :
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Instrument : BNA_M
ClientSampleId : MW-4

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
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72	16.027	2194	2200	2203	rBV3	145008	257324	1.28%	0.164%
73	16.080	2204	2209	2213	rBV5	124177	278736	1.39%	0.178%
74	16.174	2220	2225	2230	rBV7	144104	325826	1.62%	0.208%
75	16.386	2253	2261	2262	rBV2	391628	760833	3.79%	0.485%
76	16.457	2268	2273	2277	rBV2	876111	1362011	6.79%	0.867%
77	16.492	2277	2279	2284	rVV2	244573	347912	1.73%	0.222%
78	16.557	2287	2290	2296	rVB3	220773	360026	1.79%	0.229%
79	16.845	2335	2339	2344	rBV5	120801	255491	1.27%	0.163%
80	16.921	2348	2352	2357	rVV	540571	769880	3.84%	0.490%
81	16.992	2358	2364	2371	rVB4	312484	689021	3.43%	0.439%
82	17.104	2377	2383	2388	rBV	2741463	3853995	19.21%	2.454%
83	17.310	2413	2418	2426	rVB2	300609	610636	3.04%	0.389%
84	17.645	2471	2475	2478	rBV	184095	251498	1.25%	0.160%
85	17.739	2486	2491	2494	rBV	639377	887375	4.42%	0.565%
86	17.892	2514	2517	2527	rVB3	195950	365127	1.82%	0.233%
87	17.992	2528	2534	2543	rBV2	1086920	1731688	8.63%	1.103%
88	18.398	2599	2603	2609	rVB	369421	541456	2.70%	0.345%
89	18.633	2636	2643	2649	rBV	699598	1203499	6.00%	0.766%
90	18.692	2649	2653	2662	rVB	682857	952448	4.75%	0.607%
91	19.274	2748	2752	2760	rBV	393078	541590	2.70%	0.345%
92	19.739	2825	2831	2839	rBV	16781014	20058938	100.00%	12.774%
93	20.997	3041	3045	3054	rBV	908089	1163833	5.80%	0.741%
94	21.297	3090	3096	3103	rVB	3403099	4613011	23.00%	2.938%
95	21.868	3189	3193	3196	rBV	335418	401690	2.00%	0.256%
96	22.327	3268	3271	3281	rVB	428922	579105	2.89%	0.369%
97	22.833	3354	3357	3364	rVB	404339	557068	2.78%	0.355%
98	23.403	3450	3454	3462	rVB	379520	579594	2.89%	0.369%
99	23.544	3472	3478	3489	rVB2	2013592	3831701	19.10%	2.440%
100	24.050	3561	3564	3572	rVB	264981	431535	2.15%	0.275%

Sum of corrected areas: 157023987

LSC Report - Integrated Chromatogram

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Data File : BM018879.D
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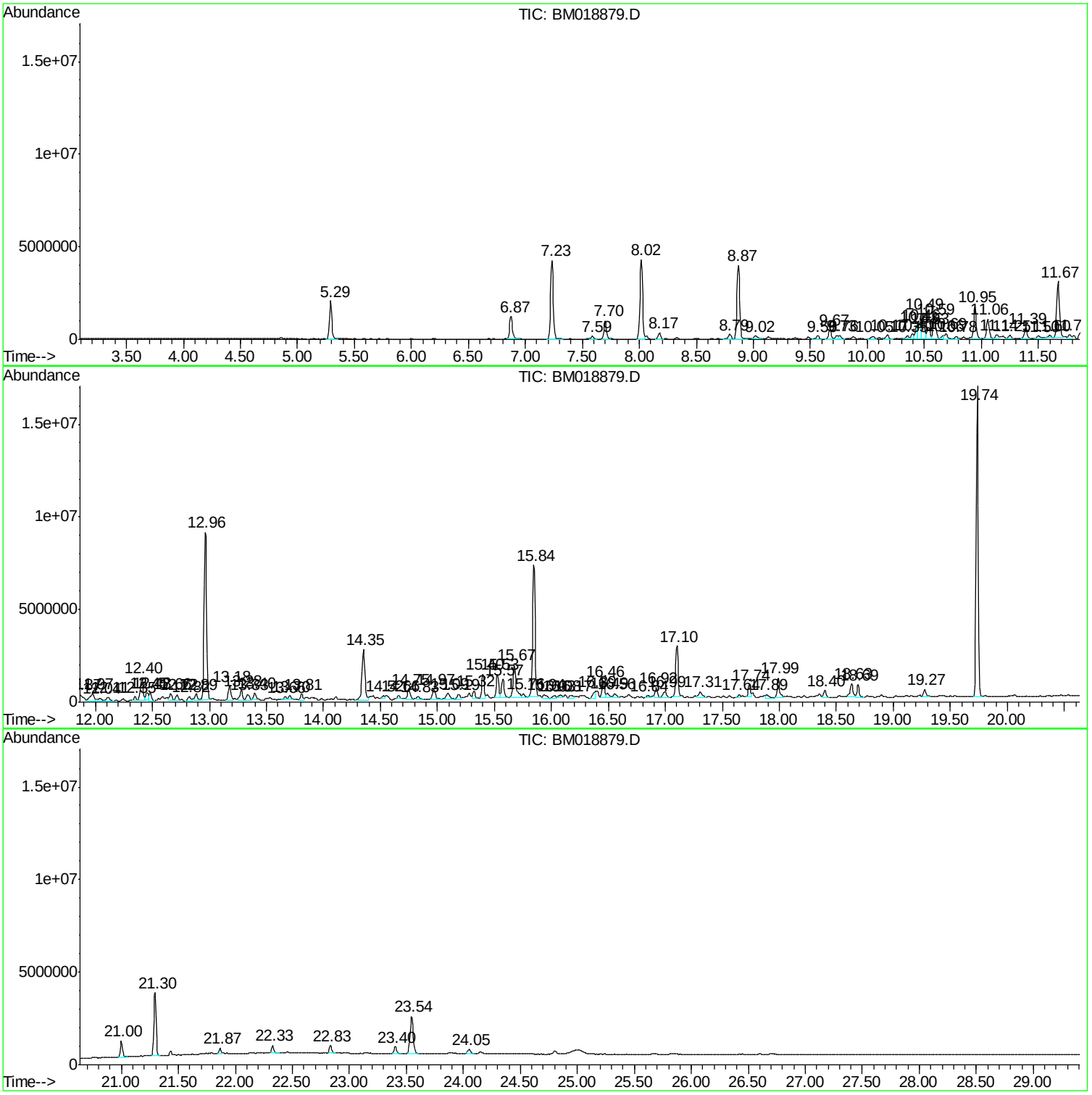
Sample : K1528-04
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : MW-4

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM021119.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\BM022019\
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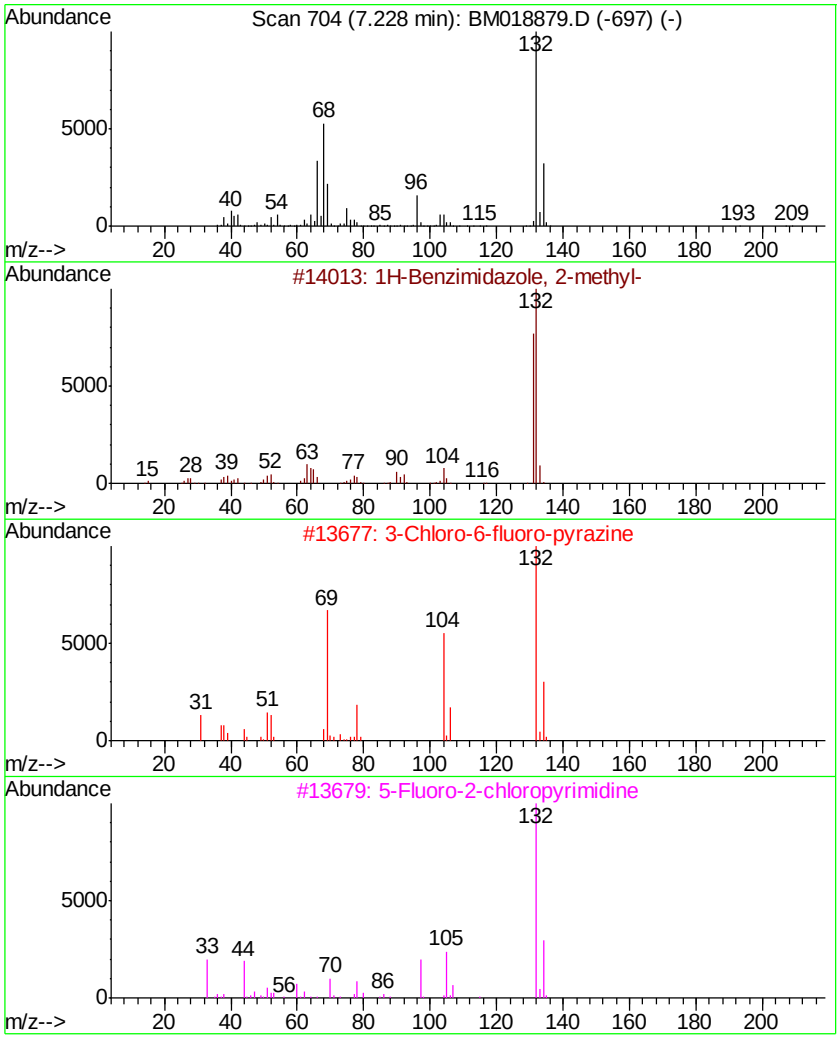
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

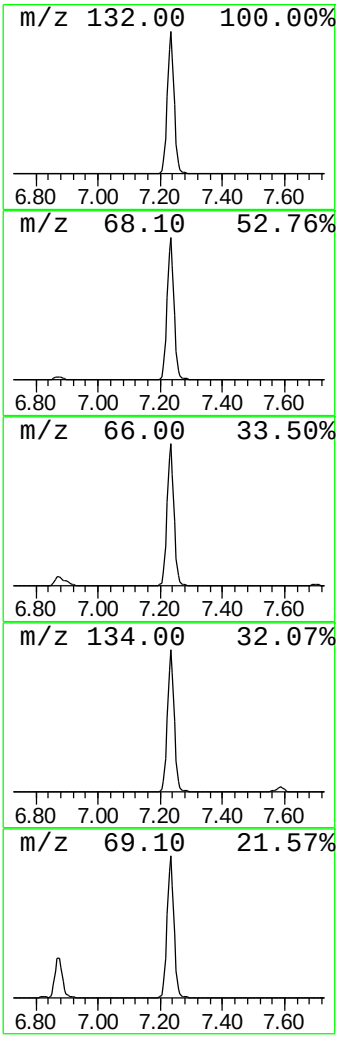
****

Peak Number 1 unknown7.23 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.23	83.63 ng	6702200	1,4-Dichlorobenzene-d4	7.70

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Benzimidazole, 2-methyl-	132	C8H8N2	000615-15-6	22
2	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	16
3	5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	12
4	2-Cyclohexen-1-one	96	C6H8O	000930-68-7	11
5	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	10





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Instrument : BNA_M
ClientSampleId : MW-4

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM021119.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

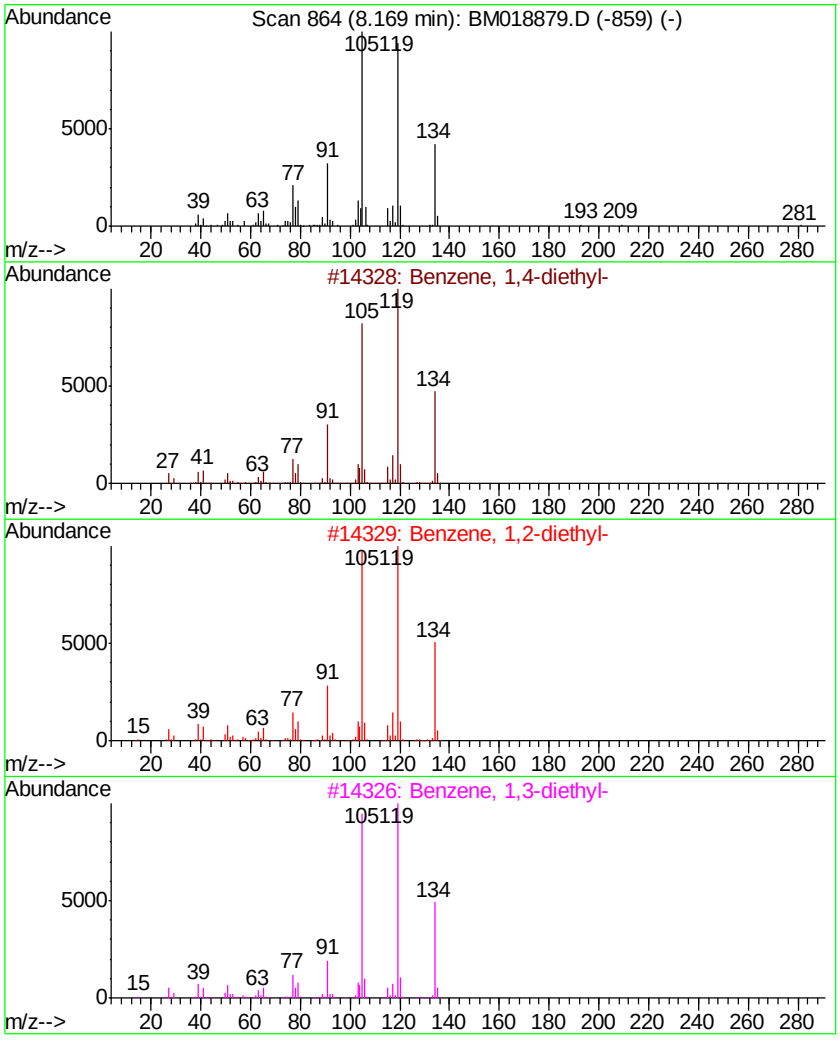
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

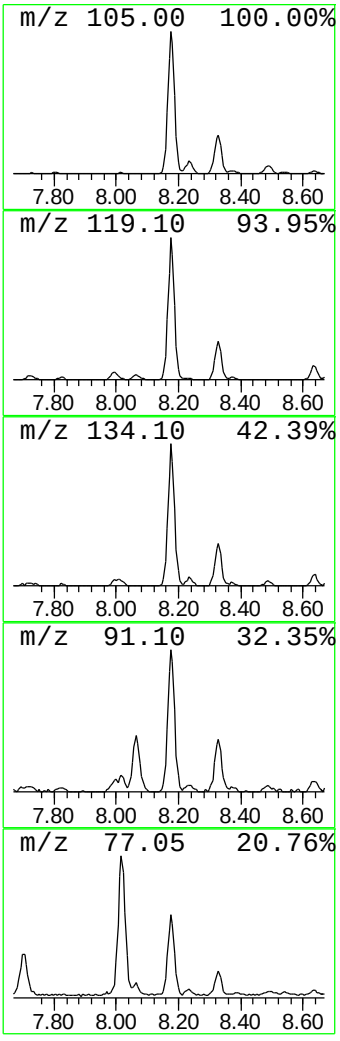
****

Peak Number 3 Benzene, 1,4-diethyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.17	6.64 ng	532199	1,4-Dichlorobenzene-d4	7.70

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,4-diethyl-	134	C10H14	000105-05-5	97
2	Benzene, 1,2-diethyl-	134	C10H14	000135-01-3	96
3	Benzene, 1,3-diethyl-	134	C10H14	000141-93-5	95
4	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	90
5	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	87





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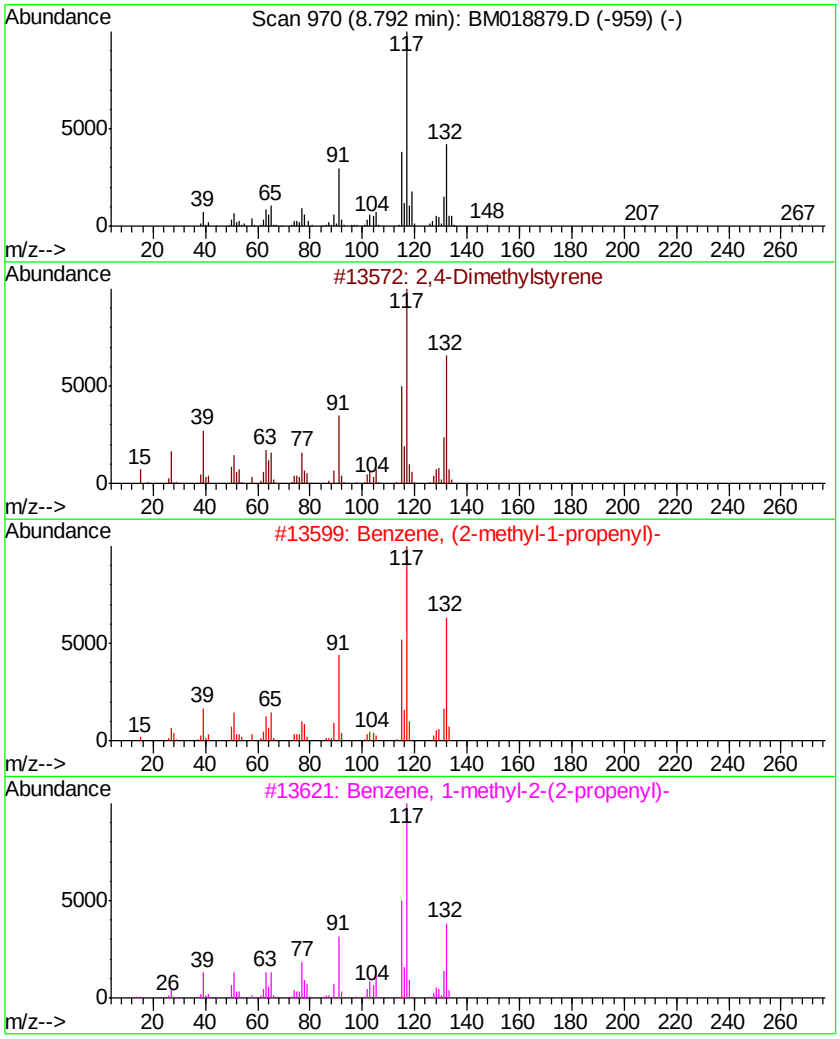
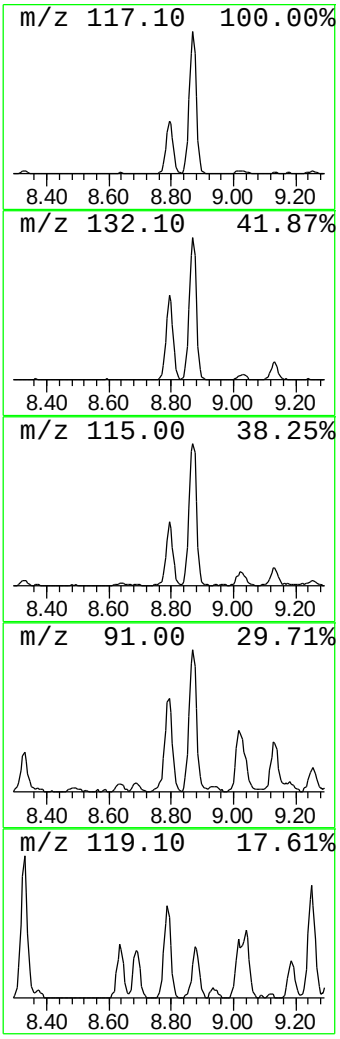
****

Peak Number 4 2,4-Dimethylstyrene Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.79	5.92 ng	474571	1,4-Dichlorobenzene-d4	7.70

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,4-Dimethylstyrene	132	C10H12	002234-20-0	96
2	Benzene, (2-methyl-1-propenyl)-	132	C10H12	000768-49-0	96
3	Benzene, 1-methyl-2-(2-propenyl)-	132	C10H12	001587-04-8	95
4	Benzene, 2-butenyl-	132	C10H12	001560-06-1	94
5	Benzene, 1-butenyl-, (E)-	132	C10H12	001005-64-7	93





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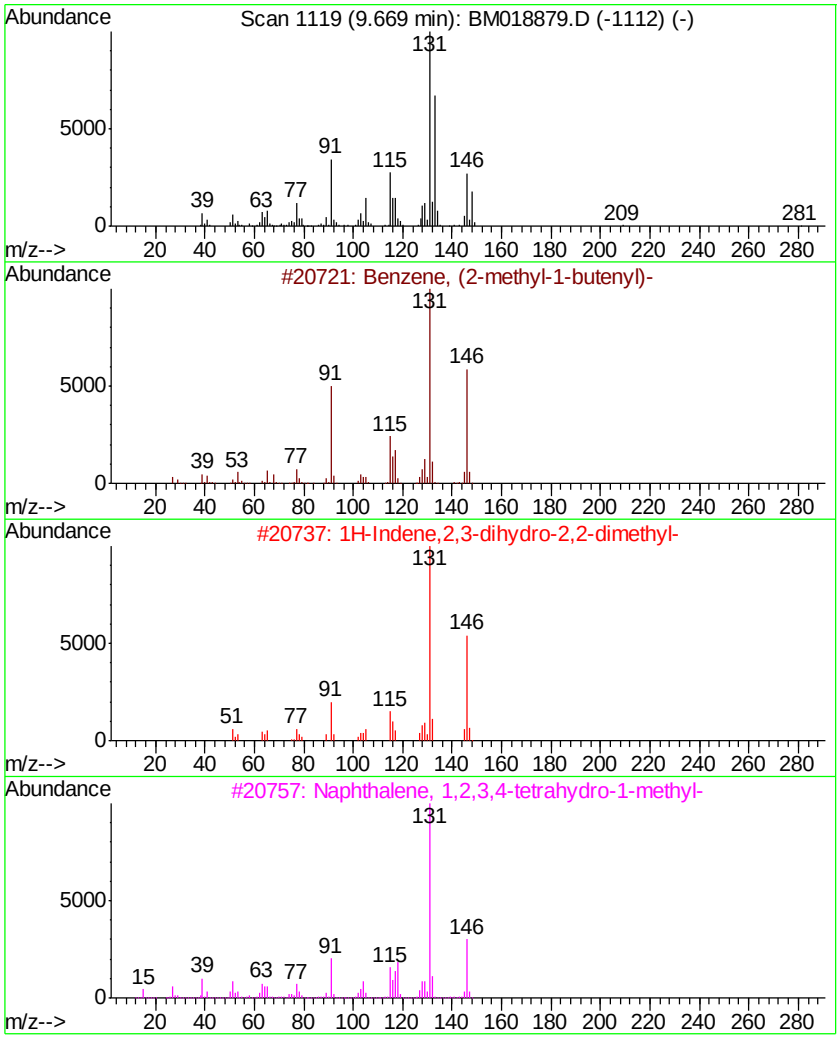
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

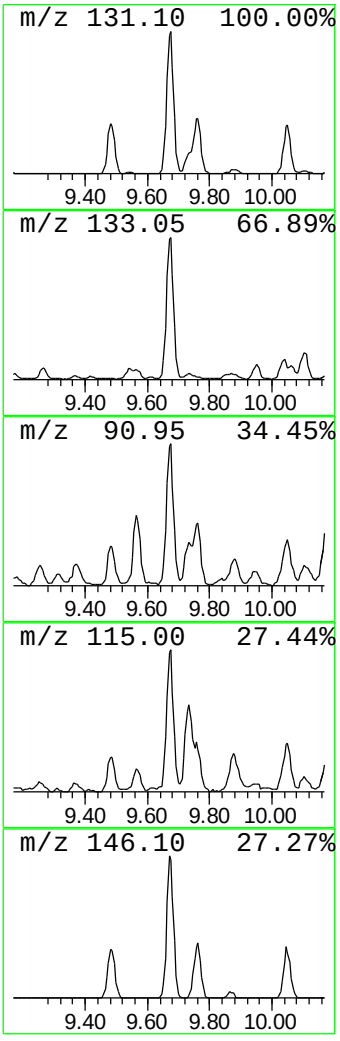
****

Peak Number 5 Naphthalene, 1,2,3,4-tetrah... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.67	7.42 ng	816033	Naphthalene-d8	10.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (2-methyl-1-butenyl)-	146	C11H14	056253-64-6	96
2	1H-Indene,2,3-dihydro-2,2-dimethyl-	146	C11H14	020836-11-7	89
3	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	001559-81-5	86
4	Benzene, (3-methyl-2-butenyl)-	146	C11H14	004489-84-3	86
5	1H-Indene, 2,3-dihydro-1,2-dimet...	146	C11H14	017057-82-8	70





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Instrument : BNA_M
ClientSampleId : MW-4

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM021119.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

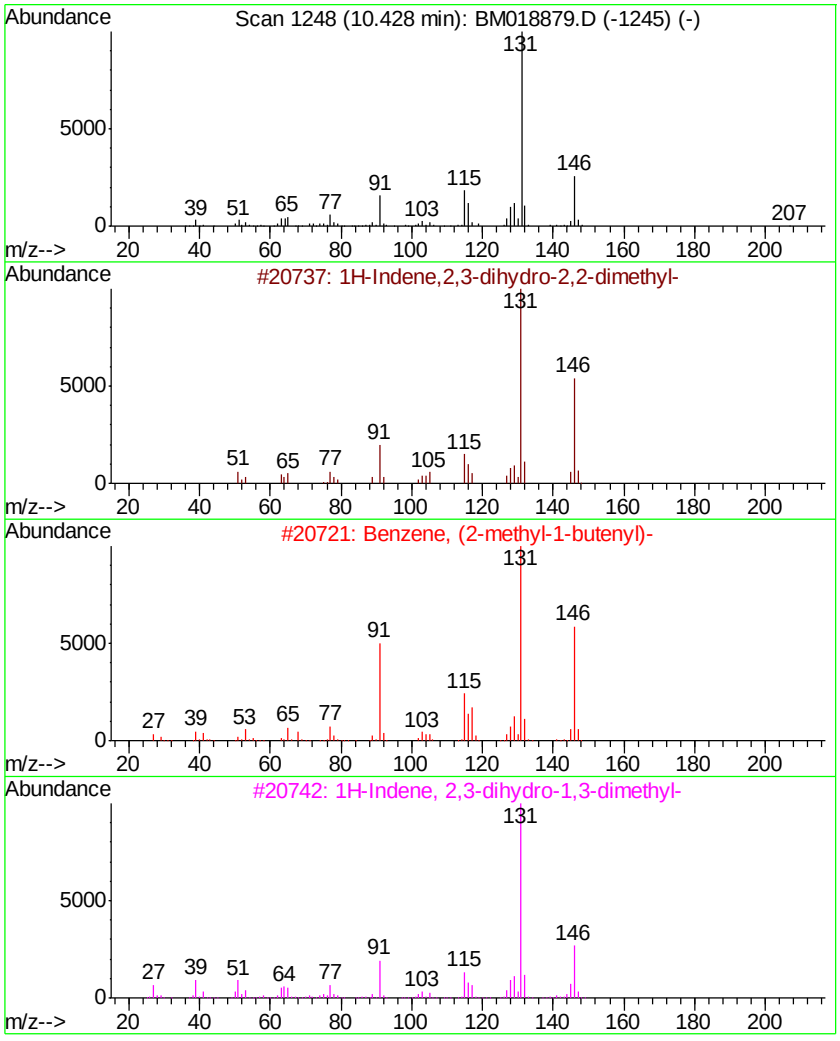
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

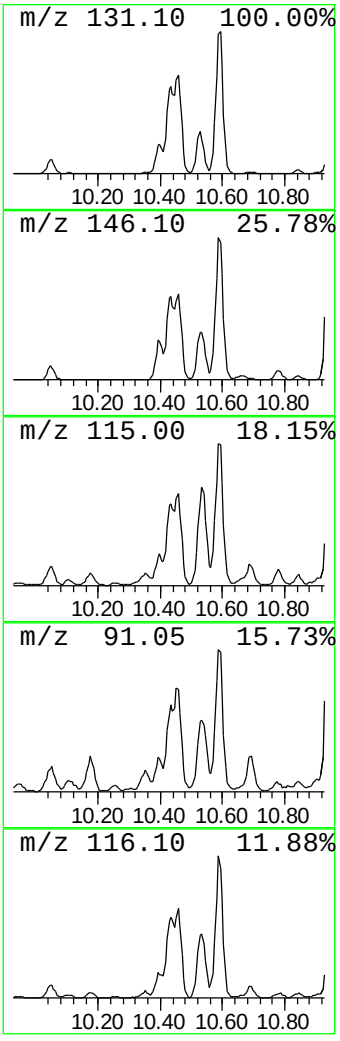
****

Peak Number 6 1H-Indene,2,3-dihydro-2,2-d... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.43	8.47 ng	930693	Naphthalene-d8	10.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene,2,3-dihydro-2,2-dimethyl-	146	C11H14	020836-11-7	94
2	Benzene, (2-methyl-1-butenyl)-	146	C11H14	056253-64-6	94
3	1H-Indene, 2,3-dihydro-1,3-dimet...	146	C11H14	004175-53-5	91
4	Benzene, 1-methyl-2-(1-methyl-2-...	146	C11H14	097664-19-2	91
5	1H-Indene, 2,3-dihydro-1,6-dimet...	146	C11H14	017059-48-2	91





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Acq On : 20 Feb 2019 12:01
Operator : JU/SJ
Sample : K1528-04
Misc :
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Instrument : BNA_M
ClientSampleId : MW-4

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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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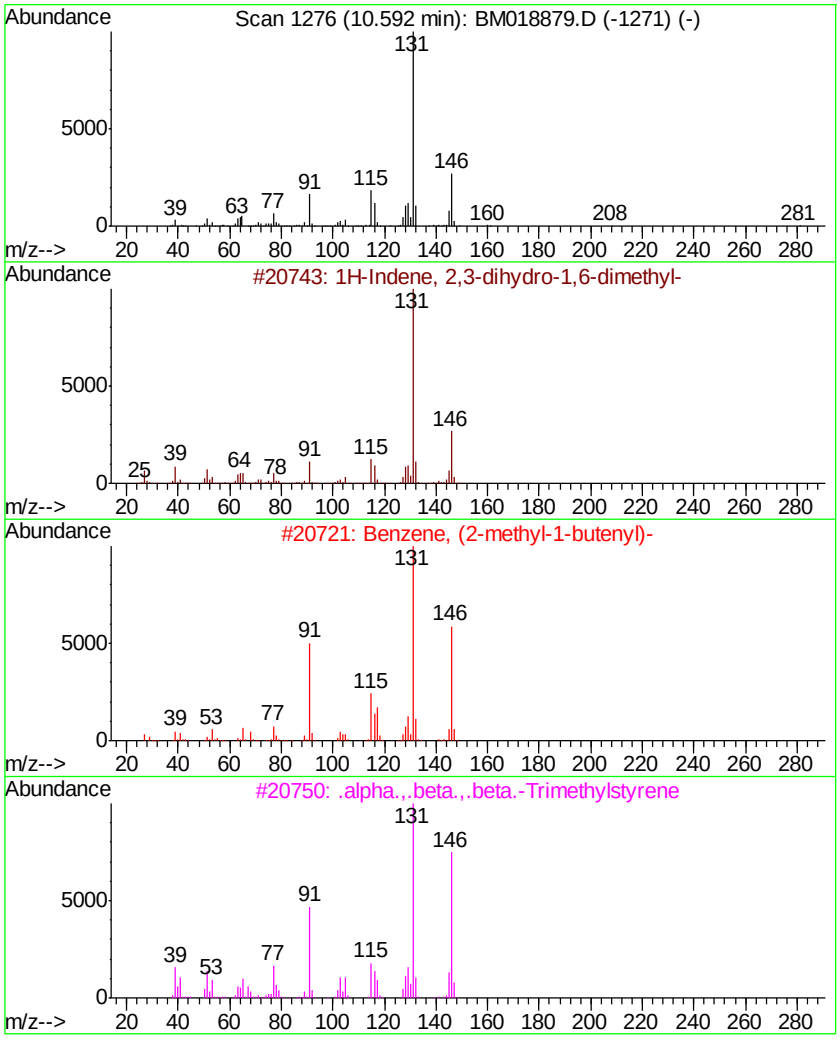
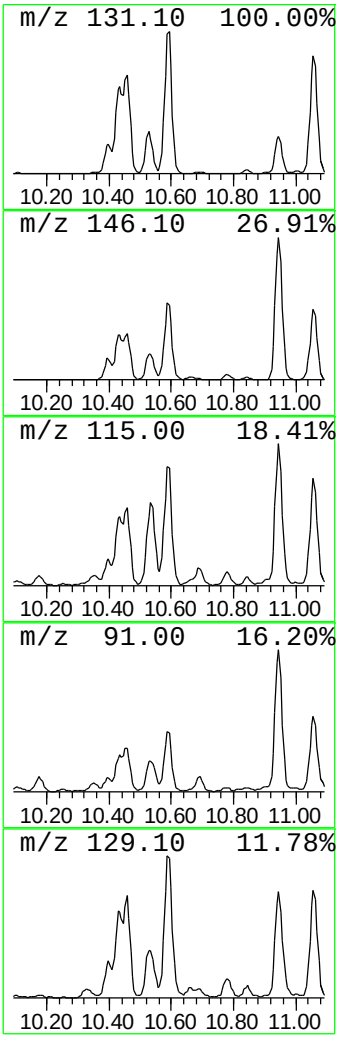
Peak Number 7 1H-Indene, 2,3-dihydro-1,6-... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.59	17.75 ng	1951340	Naphthalene-d8	10.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dihydro-1,6-dimet...	146	C11H14	017059-48-2	94
2	Benzene, (2-methyl-1-butenyl)-	146	C11H14	056253-64-6	94
3	.alpha.,.beta.,.beta.-Trimethyls...	146	C11H14	000769-57-3	91
4	1H-Indene,2,3-dihydro-2,2-dimethyl-	146	C11H14	020836-11-7	91
5	1H-Indene, 2,3-dihydro-1,3-dimet...	146	C11H14	004175-53-5	91





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ClientSampleId : MW-4

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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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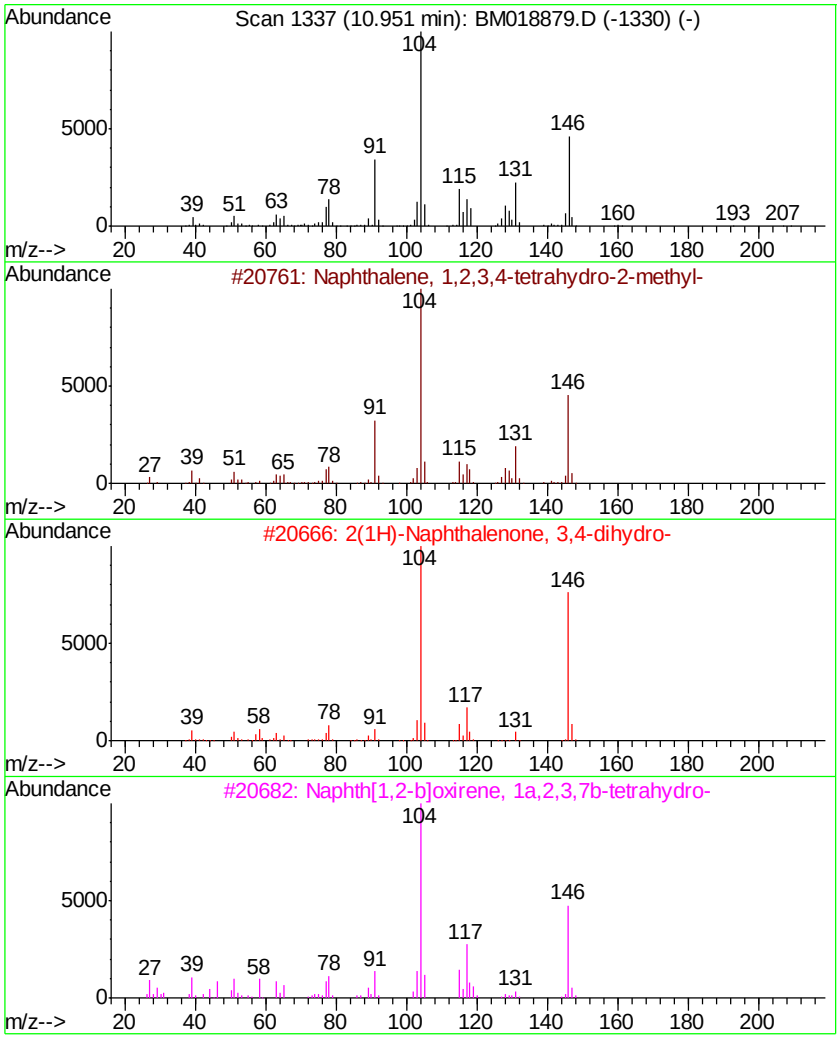
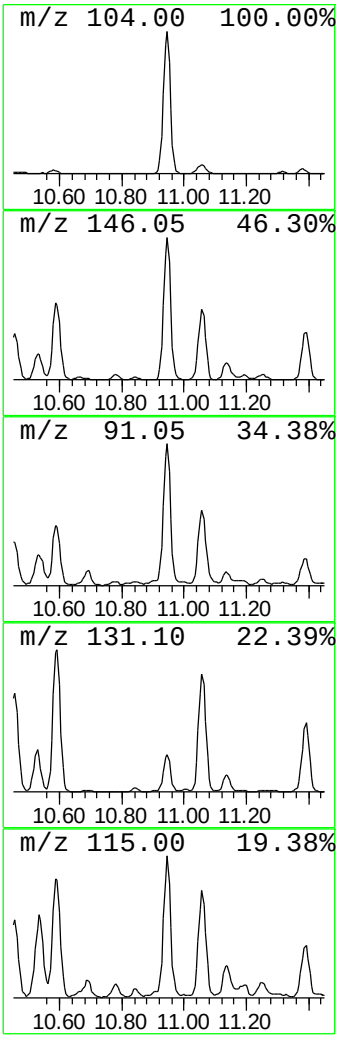
Peak Number 8 Naphthalene, 1,2,3,4-tetrah... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.95	24.63 ng	2707180	Naphthalene-d8	10.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	003877-19-8	95
2	2(1H)-Naphthalenone, 3,4-dihydro-	146	C10H10O	000530-93-8	64
3	Naphth[1,2-b]oxirene, 1a,2,3,7b-...	146	C10H10O	002461-34-9	62
4	2,6-Piperidinedione, 3-phenyl-	189	C11H11NO2	014149-34-9	47
5	7-Azabicyclo[4.2.2]deca-2,4,9-tr...	147	C9H9NO	017198-06-0	42





Library Search Compound Report

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ClientSampleId : MW-4

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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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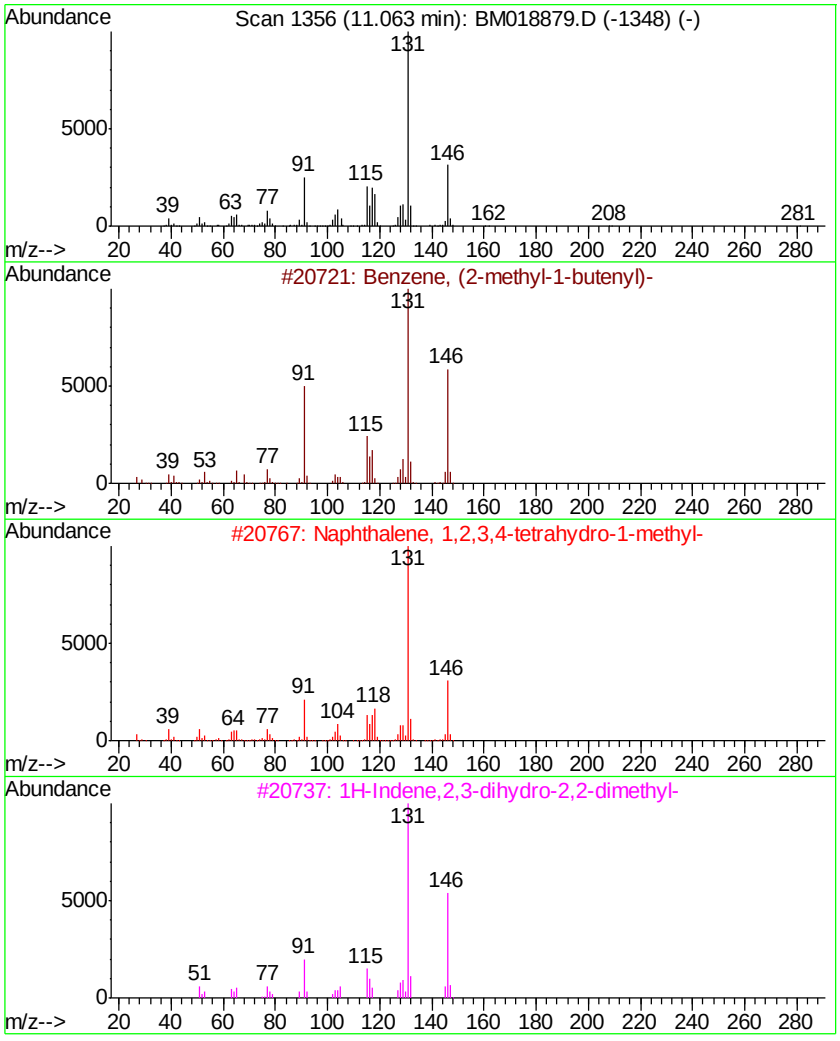
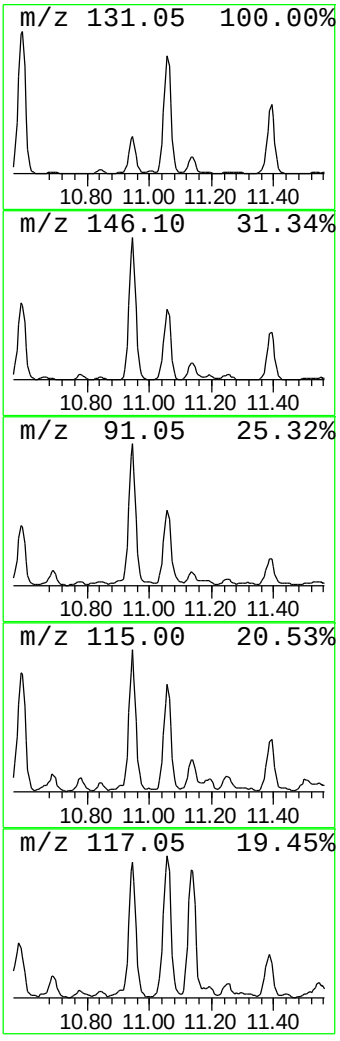
Peak Number 9 Benzene, (2-methyl-1-butenyl)- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.06	16.56 ng	1820140	Naphthalene-d8	10.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (2-methyl-1-butenyl)-	146	C11H14	056253-64-6	97
2	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	001559-81-5	94
3	1H-Indene,2,3-dihydro-2,2-dimethyl-	146	C11H14	020836-11-7	91
4	1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	87
5	1H-Indene, 2,3-dihydro-1,6-dimet...	146	C11H14	017059-48-2	81





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ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : MW-4

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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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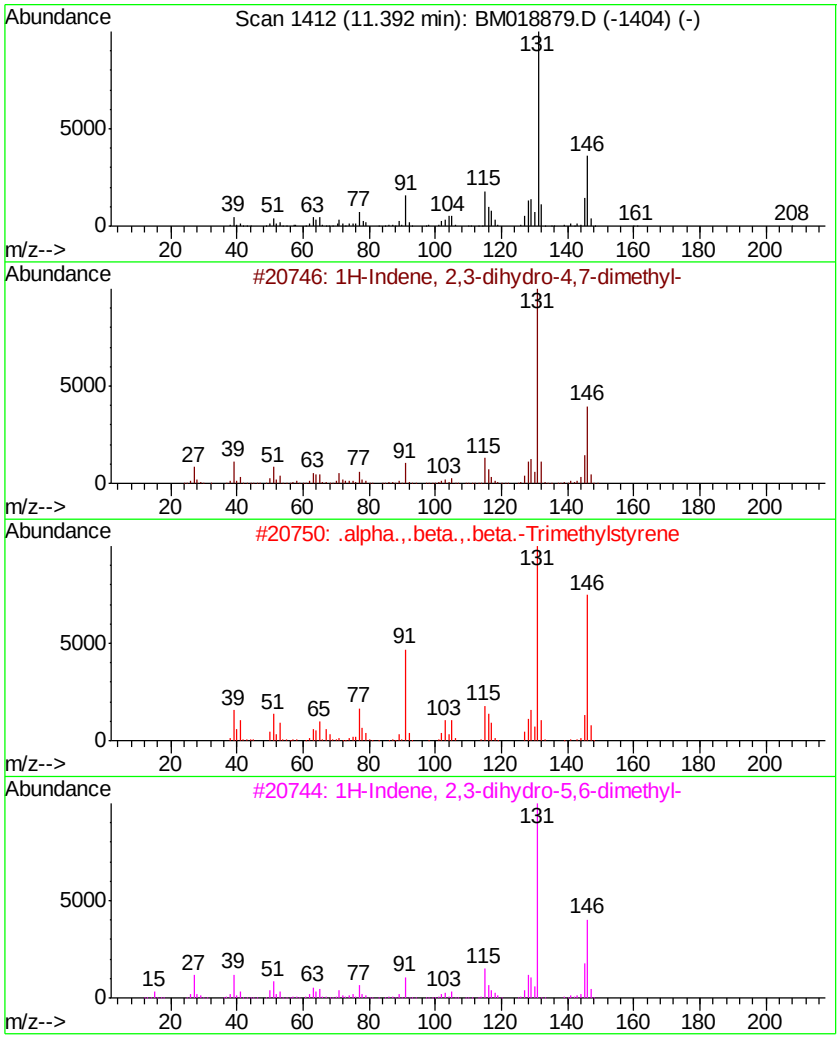
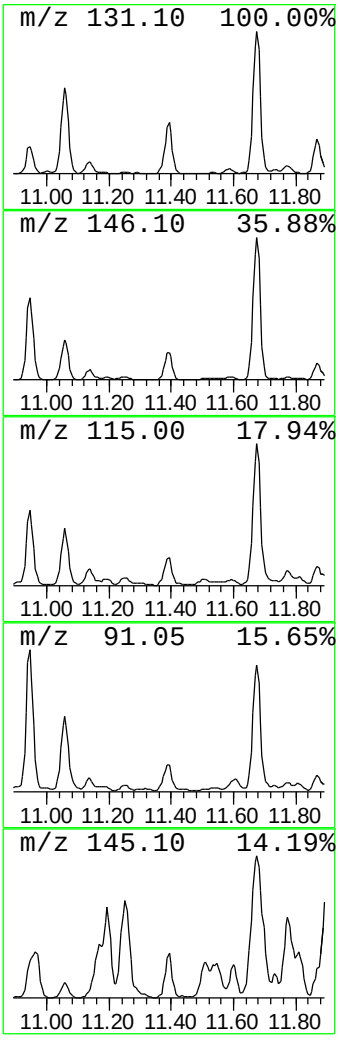
Peak Number 10 1H-Indene, 2,3-dihydro-4,7-... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.39	9.64 ng	1059480	Naphthalene-d8	10.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	97
2	.alpha.,.beta.,.beta.-Trimethyls...	146	C11H14	000769-57-3	96
3	1H-Indene, 2,3-dihydro-5,6-dimet...	146	C11H14	001075-22-5	94
4	Benzene, (3-methyl-2-butenyl)-	146	C11H14	004489-84-3	94
5	1H-Indene, 2,3-dihydro-1,2-dimet...	146	C11H14	017057-82-8	94





Library Search Compound Report

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Operator : JU/SJ
Sample : K1528-04
Misc :
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Instrument : BNA_M
ClientSampleId : MW-4

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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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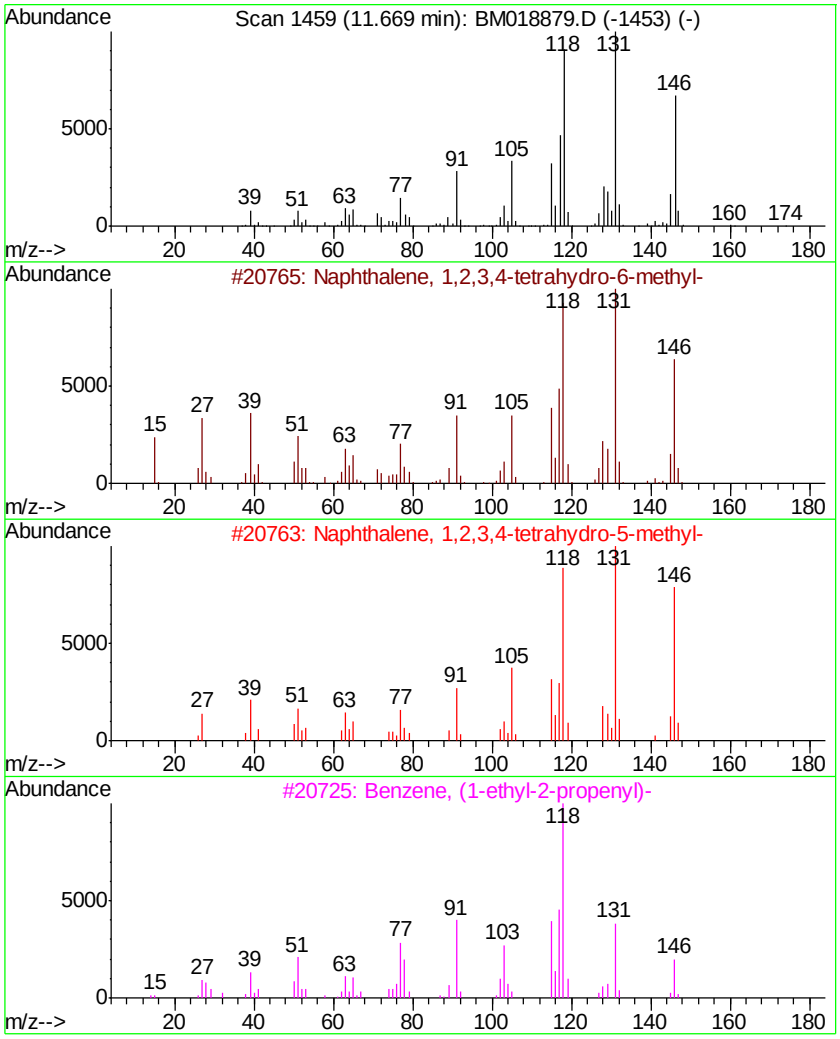
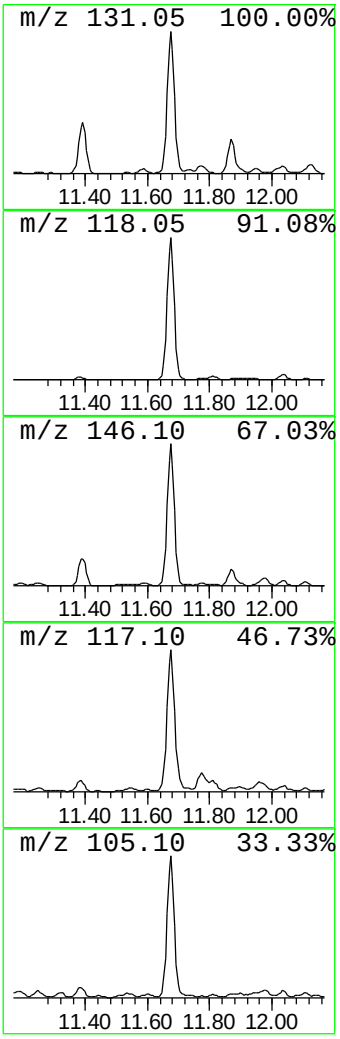
Peak Number 11 Naphthalene, 1,2,3,4-tetrah... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.67	47.22 ng	5190630	Naphthalene-d8	10.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	001680-51-9	96
2	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	002809-64-5	96
3	Benzene, (1-ethyl-2-propenyl)-	146	C11H14	019947-22-9	90
4	.alpha.,.beta.,.beta.-Trimethyls...	146	C11H14	000769-57-3	87
5	Benzene, 2-ethenyl-1,3,5-trimethyl-	146	C11H14	000769-25-5	55





Library Search Compound Report

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Sample : K1528-04
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : MW-4

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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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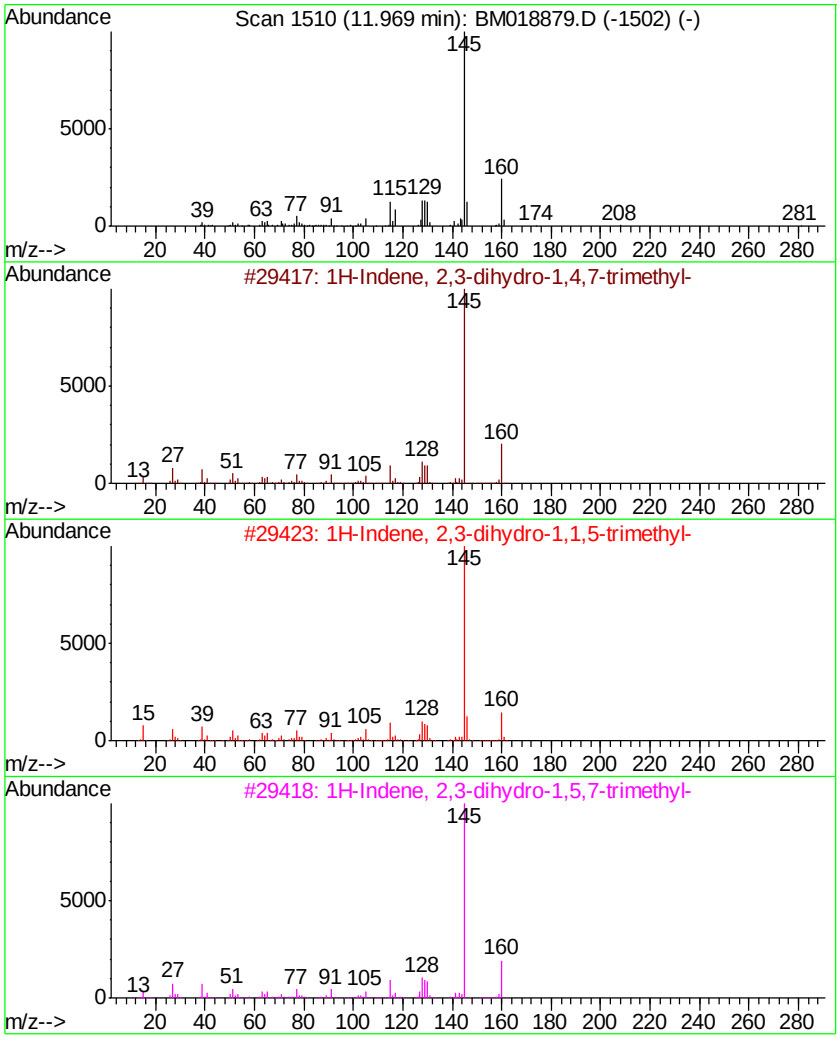
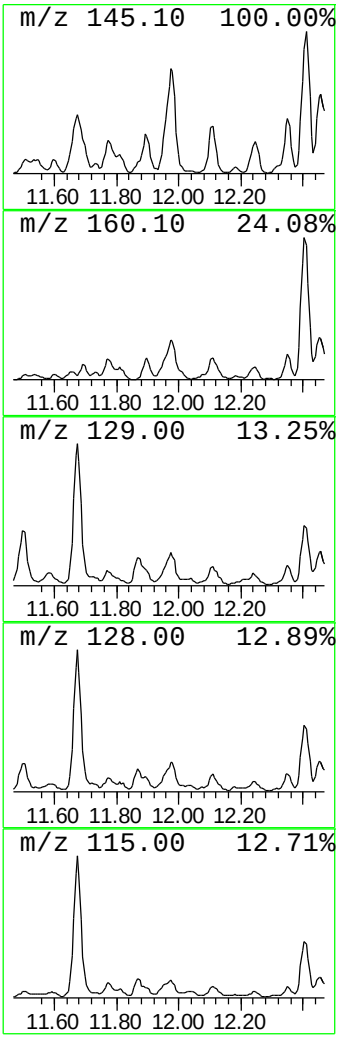
Peak Number 13 1H-Indene, 2,3-dihydro-1,4,... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.97	9.99 ng	1098720	Naphthalene-d8	10.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dihydro-1,4,7-tri...	160	C12H16	054340-87-3	94
2	1H-Indene, 2,3-dihydro-1,1,5-tri...	160	C12H16	040650-41-7	94
3	1H-Indene, 2,3-dihydro-1,5,7-tri...	160	C12H16	054340-88-4	93
4	Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	025419-33-4	91
5	Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	021564-91-0	91





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Operator : JU/SJ
Sample : K1528-04
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : MW-4

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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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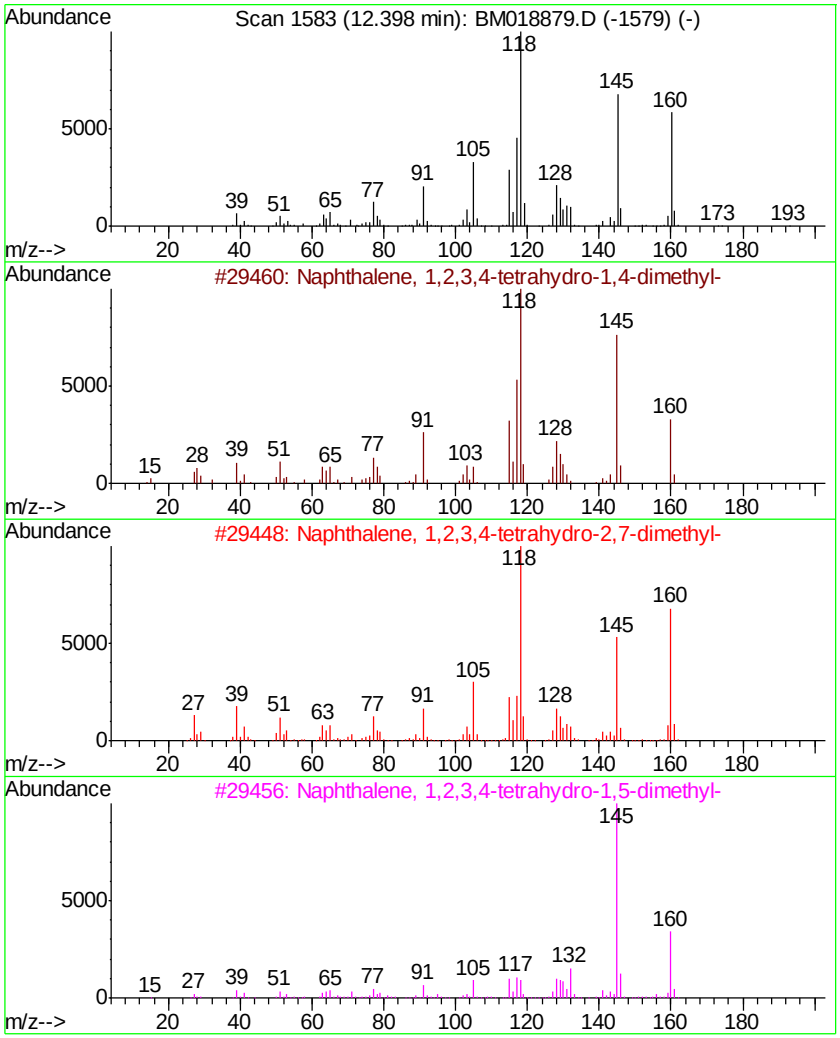
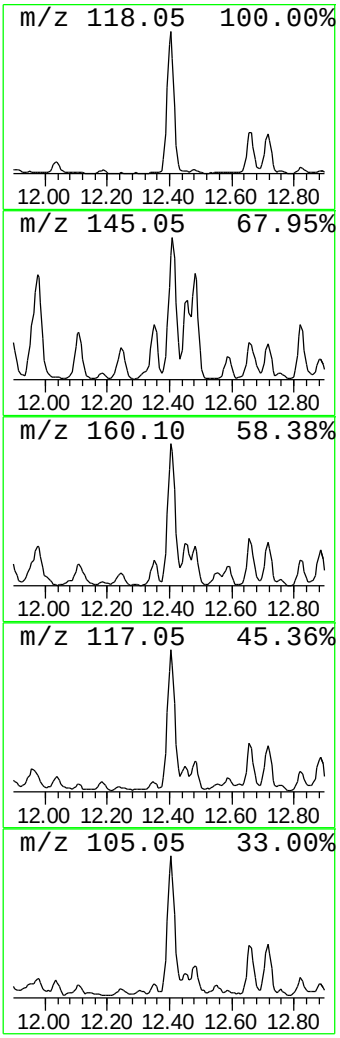
Peak Number 14 Naphthalene, 1,2,3,4-tetrah... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.40	18.85 ng	2072660	Naphthalene-d8	10.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	004175-54-6	95
2	Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	013065-07-1	81
3	Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	021564-91-0	72
4	Benzene, 1,3,5-trimethyl-2-(1-me...	160	C12H16	014679-13-1	70
5	Benzene, 1-(1-methylethenyl)-3-(...	160	C12H16	001129-29-9	64





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Misc :
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Instrument : BNA_M
ClientSampleId : MW-4

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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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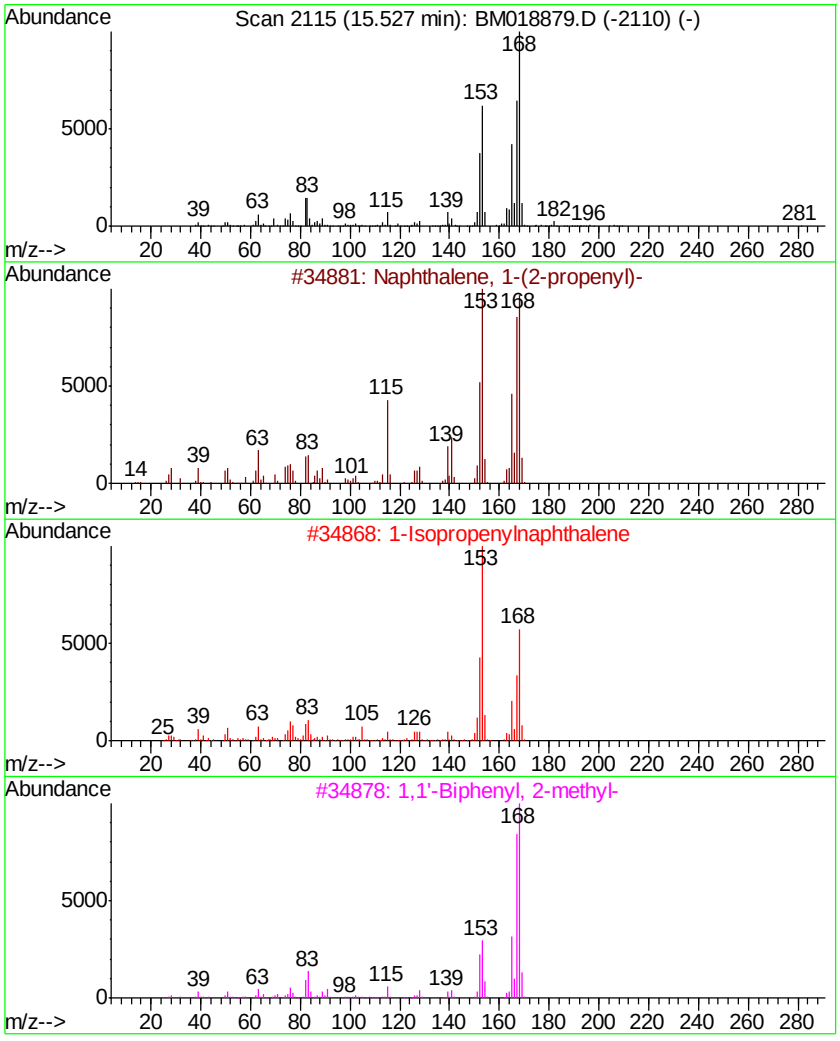
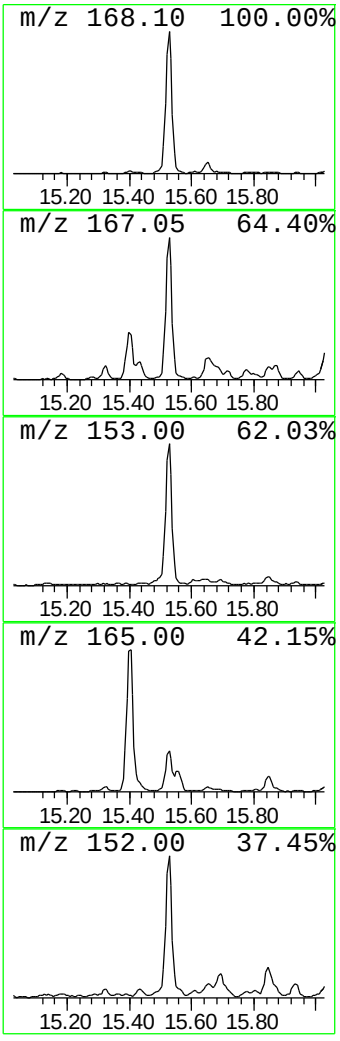
Peak Number 15 Naphthalene, 1-(2-propenyl)- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.53	7.34 ng	1827500	Acenaphthene-d10	14.35

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1-(2-propenyl)-	168	C13H12	002489-86-3	90
2	1-Isopropenylnaphthalene	168	C13H12	001855-47-6	81
3	1,1'-Biphenyl, 2-methyl-	168	C13H12	000643-58-3	74
4	1,1'-Biphenyl, 4-methyl-	168	C13H12	000644-08-6	70
5	1,1'-Biphenyl, 3-methyl-	168	C13H12	000643-93-6	58





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Misc :
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Instrument : BNA_M
ClientSampleId : MW-4

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM021119.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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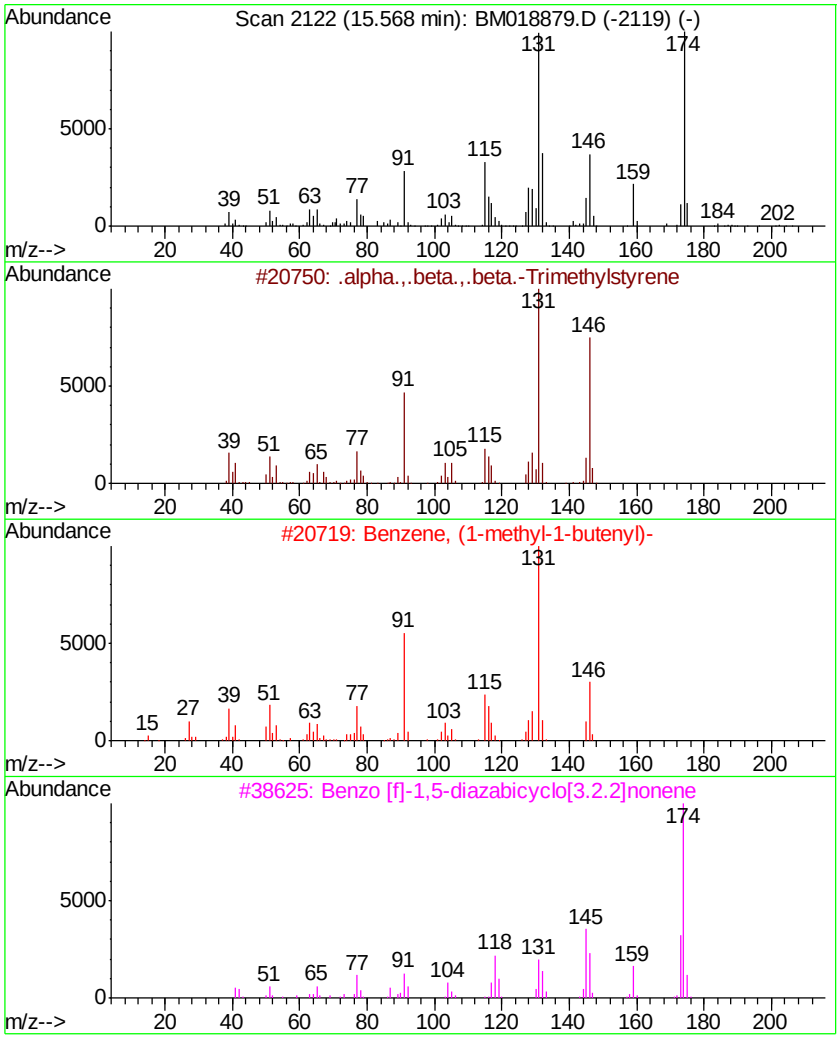
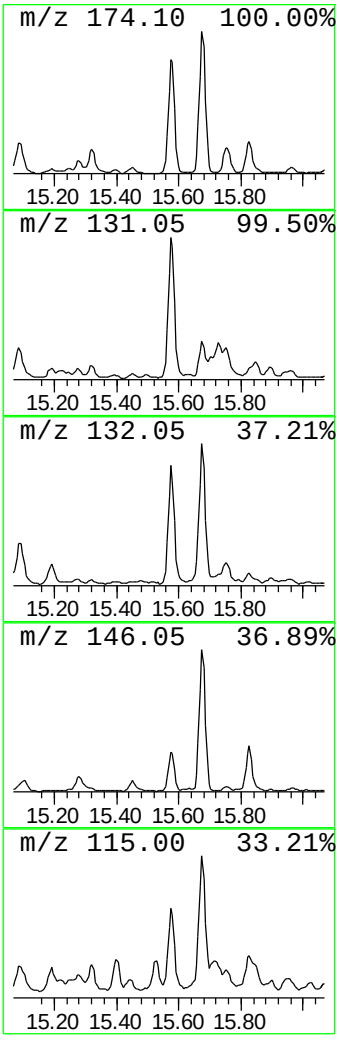
Peak Number 16 .alpha.,.beta.,.beta.-Trime... Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.57	6.22 ng	1548270	Acenaphthene-d10	14.35

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	.alpha.,.beta.,.beta.-Trimethyls...	146	C11H14	000769-57-3	50
2	Benzene, (1-methyl-1-butenyl)-	146	C11H14	053172-84-2	50
3	Benzo [f]-1,5-diazabicyclo[3.2.2...	174	C11H14N2	007092-76-4	47
4	2-Benzylidenecyclopentanol, (E)-	174	C12H14O	058738-53-7	46
5	Benzene, (3-methyl-2-butenyl)-	146	C11H14	004489-84-3	46





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Sample : K1528-04
Misc :
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Instrument : BNA_M
ClientSampleId : MW-4

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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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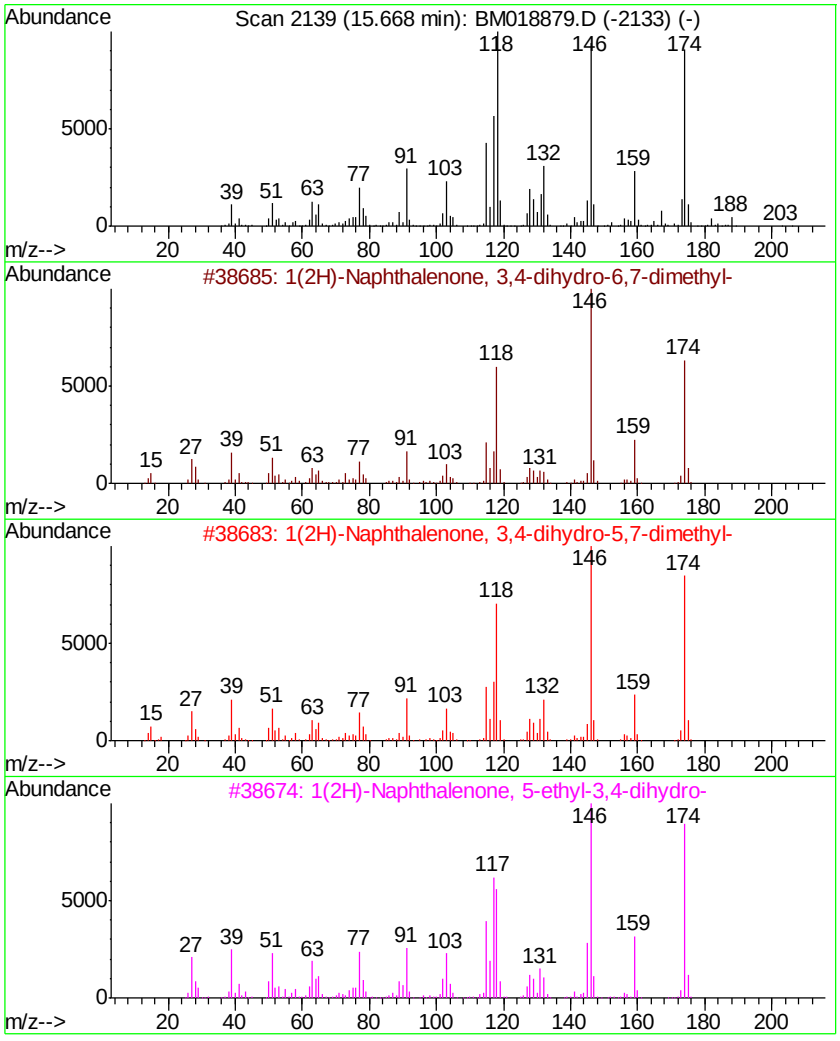
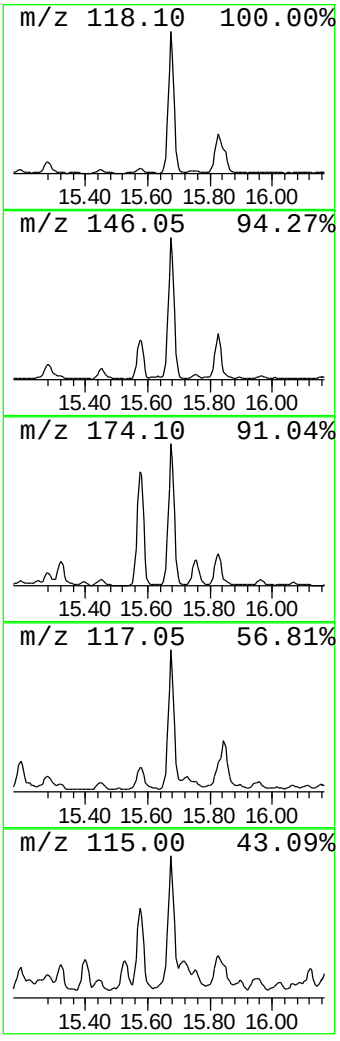
Peak Number 17 1(2H)-Naphthalenone, 3,4-di... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.67	12.52 ng	3117310	Acenaphthene-d10	14.35

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1(2H)-Naphthalenone, 3,4-dihydro...	174	C12H14O	019550-57-3	94
2	1(2H)-Naphthalenone, 3,4-dihydro...	174	C12H14O	013621-25-5	93
3	1(2H)-Naphthalenone, 5-ethyl-3,4...	174	C12H14O	051015-31-7	91
4	Benzene, 1,3-diisocyanato-2-methyl-	174	C9H6N2O2	000091-08-7	64
5	1(2H)-Naphthalenone, 3,4-dihydro...	174	C12H14O	032281-65-5	60





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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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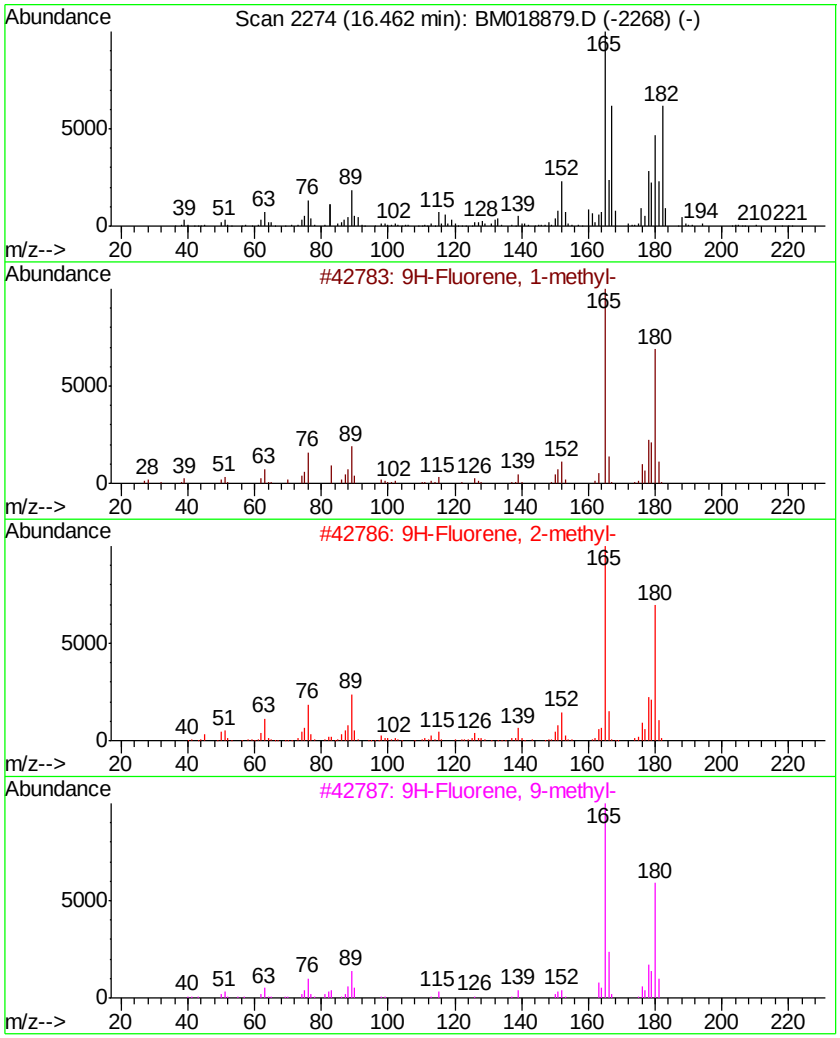
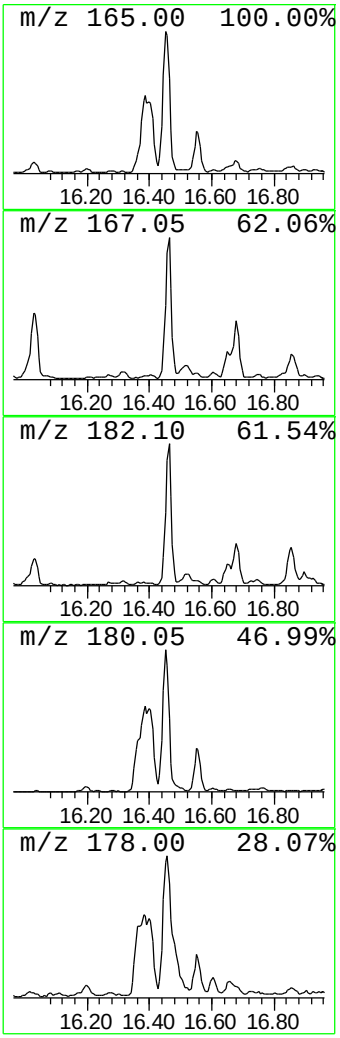
Peak Number 18 9H-Fluorene, 1-methyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.46	7.07 ng	1362010	Phenanthrene-d10	17.10

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	92
2	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	83
3	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	60
4	9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	58
5	(3H)Benzo[c]pyrrole, 3-methyl-3-...	208	C14H12N2	059341-20-7	52





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM022019\
Data File : BM018879.D
Acq On : 20 Feb 2019 12:01
Operator : JU/SJ
Sample : K1528-04
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : MW-4

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM021119.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

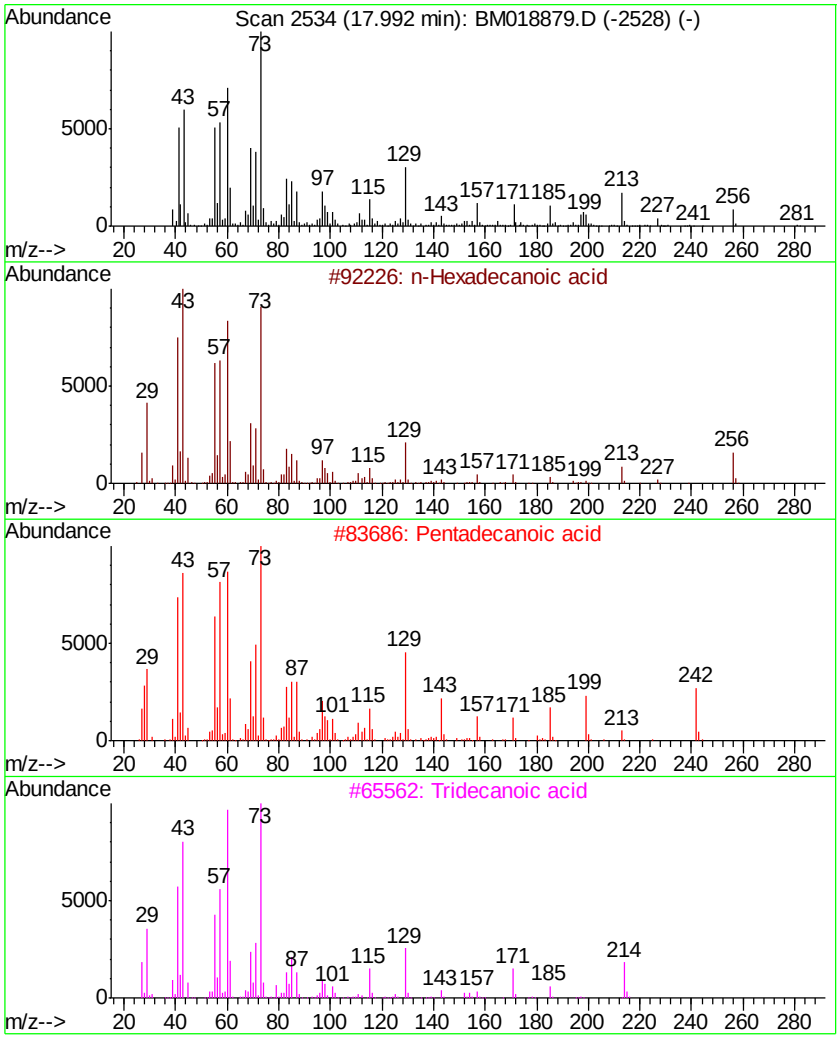
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

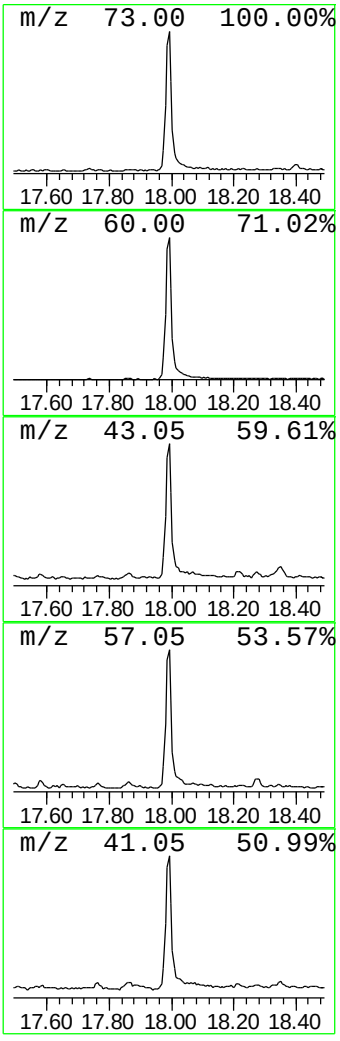
****

Peak Number 19 n-Hexadecanoic acid Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.99	8.99 ng	1731690	Phenanthrene-d10	17.10

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	97
2	Pentadecanoic acid	242	C15H30O2	001002-84-2	72
3	Tridecanoic acid	214	C13H26O2	000638-53-9	52
4	n-Decanoic acid	172	C10H20O2	000334-48-5	38
5	Tridecane	184	C13H28	000629-50-5	35





Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM022019\
Data File : BM018879.D
Acq On : 20 Feb 2019 12:01
Operator : JU/SJ
Sample : K1528-04
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : MW-4

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM021119.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

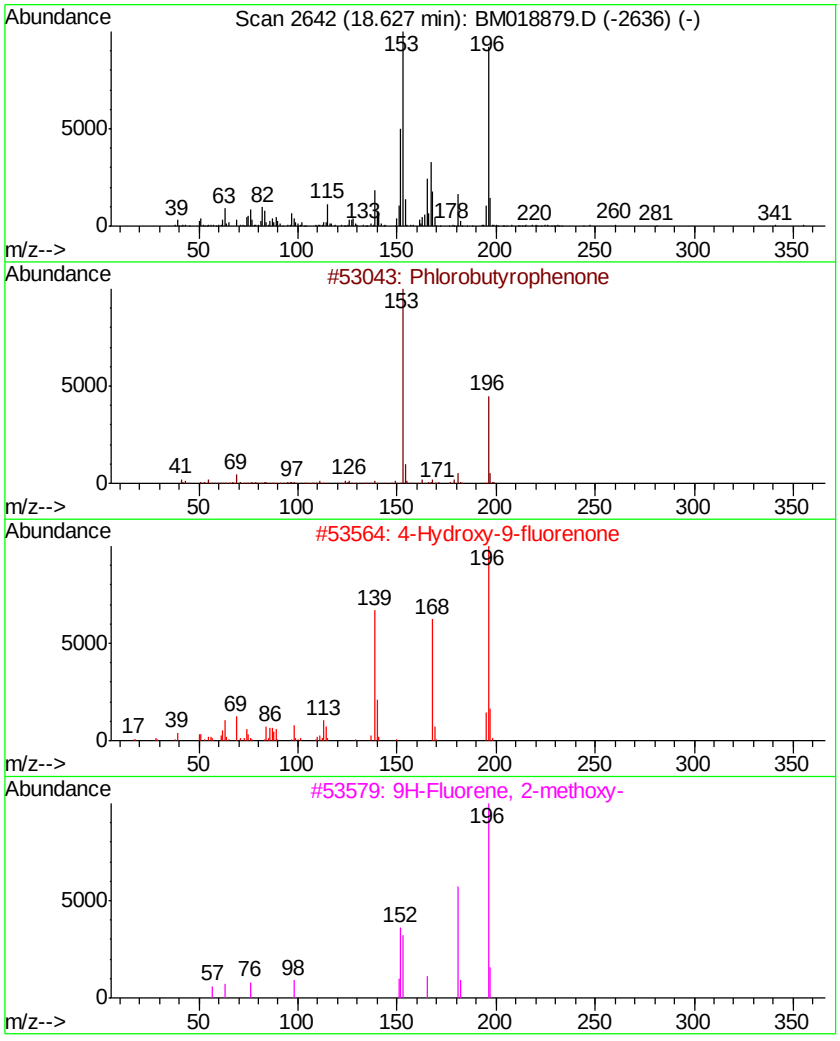
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

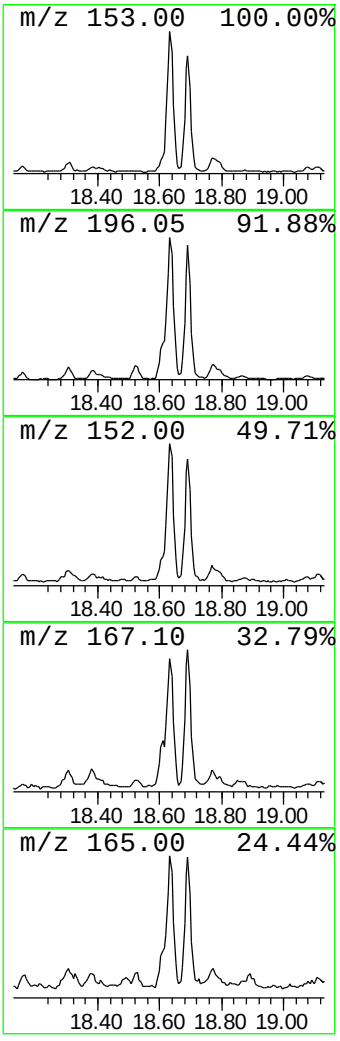
****

Peak Number 20 unknown18.63 Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.63	6.25 ng	1203500	Phenanthrene-d10	17.10

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phlorobutyrophenone	196	C10H12O4	002437-62-9	47
2	4-Hydroxy-9-fluorenone	196	C13H8O2	001986-00-1	42
3	9H-Fluorene, 2-methoxy-	196	C14H12O	002523-46-8	38
4	Phenazine, 5-oxide	196	C12H8N2O	000304-81-4	35
5	Phenol, 4-(2-phenylethenyl)-	196	C14H12O	003839-46-1	30





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM022019\
Data File : BM018879.D
Acq On : 20 Feb 2019 12:01
Operator : JU/SJ
Sample : K1528-04
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : MW-4

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM021119.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
unknown7.23	7.23	83.6	ng	6702200	1	7.70	1602910	20.0
Benzene, 1,4-diet...	8.17	6.6	ng	532199	1	7.70	1602910	20.0
2,4-Dimethylstyrene	8.79	5.9	ng	474571	1	7.70	1602910	20.0
Naphthalene, 1,2,...	9.67	7.4	ng	816033	2	10.49	2198650	20.0
1H-Indene,2,3-dih...	10.43	8.5	ng	930693	2	10.49	2198650	20.0
1H-Indene, 2,3-di...	10.59	17.8	ng	1951340	2	10.49	2198650	20.0
Naphthalene, 1,2,...	10.95	24.6	ng	2707180	2	10.49	2198650	20.0
Benzene, (2-methy...	11.06	16.6	ng	1820140	2	10.49	2198650	20.0
1H-Indene, 2,3-di...	11.39	9.6	ng	1059480	2	10.49	2198650	20.0
Naphthalene, 1,2,...	11.67	47.2	ng	5190630	2	10.49	2198650	20.0
1H-Indene, 2,3-di...	11.97	10.0	ng	1098720	2	10.49	2198650	20.0
Naphthalene, 1,2,...	12.40	18.9	ng	2072660	2	10.49	2198650	20.0
Naphthalene, 1-(2...	15.53	7.3	ng	1827500	3	14.35	4979940	20.0
.alpha.,.beta.,.b...	15.57	6.2	ng	1548270	3	14.35	4979940	20.0
1(2H)-Naphthaleno...	15.67	12.5	ng	3117310	3	14.35	4979940	20.0
9H-Fluorene, 1-me...	16.46	7.1	ng	1362010	4	17.10	3854000	20.0
n-Hexadecanoic acid	17.99	9.0	ng	1731690	4	17.10	3854000	20.0
unknown18.63	18.63	6.3	ng	1203500	4	17.10	3854000	20.0