LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM011619\
Data File : BM018583.D
Acq On : 16 Jan 2019 15:02
Operator : JU/SJ
Sample : K1102-01 5X
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : CPSB-18(15-20)

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-BM010919.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	3.152	8	11	28	rVB	267533	428933	1.17%	0.177%
2	3.457	58	63	65	rBV	508746	650950	1.78%	0.269%
3	3.487	65	68	80	rVB	1958884	3061631	8.35%	1.266%
4	3.634	90	93	103	rVB	283537	388687	1.06%	0.161%
5	3.716	103	107	118	rVB	314752	470685	1.28%	0.195%
6	3.857	127	131	140	rVV3	431708	781767	2.13%	0.323%
7	3.957	140	148	159	rVB4	473549	1005868	2.74%	0.416%
8	4.134	171	178	182	rBV	507145	774473	2.11%	0.320%
9	5.334	376	382	388	rVB	309697	461338	1.26%	0.191%
10	6.875	638	644	648	rBV2	189305	377530	1.03%	0.156%
11	6.916	648	651	658	rVB	327668	505916	1.38%	0.209%
12	7.281	707	713	727	rVB2	437891	870083	2.37%	0.360%
13	7.639	763	774	779	rBV4	182030	462348	1.26%	0.191%
14	7.745	787	792	797	rBV	461774	698538	1.91%	0.289%
15	8.063	841	846	851	rVB2	276963	440552	1.20%	0.182%
16	8.563	926	931	936	rBV2	230691	430099	1.17%	0.178%
17	8.834	972	977	985	rVV4	602727	1138110	3.11%	0.470%
18	8.916	985	991	999	rVB4	469437	904366	2.47%	0.374%
19	9.069	1013	1017	1025	rVB5	227836	505721	1.38%	0.209%
20	9.445	1073	1081	1085	rBV4	234847	399505	1.09%	0.165%
21	9.704	1119	1125	1136	rBV6	310138	823665	2.25%	0.340%
22	9.933	1157	1164	1173	rBV	574658	1231129	3.36%	0.509%
23	10.110	1186	1194	1199	rBV4	182001	420249	1.15%	0.174%
24	10.233	1208	1215	1221	rVB3	238915	504563	1.38%	0.209%
25	10.539	1259	1267	1272	rBV	669364	1174248	3.20%	0.485%
26	10.639	1279	1284	1294	rVB5	264549	749062	2.04%	0.310%
27	10.745	1294	1302	1309	rBV5	244204	559043	1.53%	0.231%
28	10.998	1340	1345	1352	rVB2	424434	774440	2.11%	0.320%
29	11.110	1352	1364	1367	rBV3	137475	417249	1.14%	0.172%
30	11.216	1372	1382	1391	rVB7	325382	951130	2.60%	0.393%
31	11.439	1414	1420	1426	rVB6	194876	489032	1.33%	0.202%
32	11.539	1432	1437	1441	rBV	661036	986200	2.69%	0.408%
33	11.722	1459	1468	1475	rBV3	498129	1016735	2.77%	0.420%
34	12.086	1526	1530	1535	rVB	374045	561210	1.53%	0.232%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM011619\
Data File : BM018583.D
Acq On : 16 Jan 2019 15:02
Operator : JU/SJ
Sample : K1102-01 5X
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : CPSB-18(15-20)

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-BM010919.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	12.157	1536	1542	1547	rVB6	170514	388457	1.06%	0.161%
36	12.451	1588	1592	1597	rVB	325791	482243	1.32%	0.199%
37	12.904	1664	1669	1677	rVB2	730635	1072156	2.93%	0.443%
38	13.010	1683	1687	1695	rVB	535993	755798	2.06%	0.312%
39	13.857	1826	1831	1835	rBV	697186	916653	2.50%	0.379%
40	14.392	1917	1922	1928	rVB2	1164663	1751020	4.78%	0.724%
41	14.463	1928	1934	1940	rVB3	176058	380487	1.04%	0.157%
42	14.792	1985	1990	1998	rVB3	243135	448296	1.22%	0.185%
43	15.445	2095	2101	2105	rBV	287143	444728	1.21%	0.184%
44	15.886	2171	2176	2185	rVB2	526830	918830	2.51%	0.380%
45	16.115	2208	2215	2220	rBV	241975	381509	1.04%	0.158%
46	16.721	2312	2318	2329	rBV	953221	1500071	4.09%	0.620%
47	17.145	2384	2390	2393	rBV	1463921	2099712	5.73%	0.868%
48	17.186	2393	2397	2404	rVB	1919236	2646387	7.22%	1.094%
49	17.274	2408	2412	2418	rVV	418505	599988	1.64%	0.248%
50	17.374	2426	2429	2434	rVB	278350	372429	1.02%	0.154%
51	17.556	2457	2460	2467	rVB	219267	366796	1.00%	0.152%
52	17.933	2519	2524	2528	rVB	505589	649045	1.77%	0.268%
53	17.986	2528	2533	2536	rBV	777794	1275519	3.48%	0.527%
54	18.168	2559	2564	2568	rBV6	279802	544797	1.49%	0.225%
55	18.215	2568	2572	2576	rVV	1452801	1939749	5.29%	0.802%
56	18.333	2587	2592	2603	rVB	1926095	2832456	7.73%	1.171%
57	18.439	2604	2610	2613	rBV5	418379	848773	2.32%	0.351%
58	18.474	2613	2616	2620	rBV3	712853	834220	2.28%	0.345%
59	18.568	2628	2632	2636	rBV2	649648	877377	2.39%	0.363%
60	18.762	2659	2665	2670	rVV	21045415	28230474	77.03%	11.669%
61	18.803	2670	2672	2680	rVB5	377183	533841	1.46%	0.221%
62	18.956	2693	2698	2701	rBV2	437212	622554	1.70%	0.257%
63	19.209	2736	2741	2744	rBV	1939981	2694409	7.35%	1.114%
64	19.256	2744	2749	2754	rVV	4669961	6098251	16.64%	2.521%
65	19.321	2756	2760	2769	rVB3	458426	846121	2.31%	0.350%
66	19.539	2794	2797	2799	rBV2	1074706	1406210	3.84%	0.581%
67	19.568	2799	2802	2810	rVB	1908095	3408350	9.30%	1.409%
68	19.680	2817	2821	2825	rVV	775611	902408	2.46%	0.373%
69	19.750	2827	2833	2835	rVV3	873800	1493556	4.08%	0.617%
70	19.774	2835	2837	2841	rVB	1231956	1244422	3.40%	0.514%
71	19.927	2858	2863	2866	rBV4	410615	723194	1.97%	0.299%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM011619\
Data File : BM018583.D
Acq On : 16 Jan 2019 15:02
Operator : JU/SJ
Sample : K1102-01 5X
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : CPSB-18(15-20)

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-BM010919.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	19.986	2868	2873	2877	rBV	5333972	6458432	17.62%	2.670%
73	20.080	2884	2889	2893	rVB3	2266418	2922338	7.97%	1.208%
74	20.133	2893	2898	2900	rBV3	752776	1204732	3.29%	0.498%
75	20.162	2900	2903	2907	rVV2	616273	1020845	2.79%	0.422%
76	20.197	2907	2909	2912	rVV2	394400	562548	1.53%	0.233%
77	20.233	2912	2915	2920	rVB3	916305	1199792	3.27%	0.496%
78	20.415	2934	2946	2957	rBV3	9125266	17241036	47.04%	7.127%
79	20.521	2958	2964	2967	rBV	7517299	9897268	27.01%	4.091%
80	20.650	2983	2986	2989	rVV3	589393	646742	1.76%	0.267%
81	20.680	2989	2991	2997	rVB2	1195593	1609200	4.39%	0.665%
82	20.744	2999	3002	3009	rVB2	881776	1487910	4.06%	0.615%
83	20.839	3015	3018	3020	rBV2	1219532	1363383	3.72%	0.564%
84	20.874	3020	3024	3028	rVV	3879104	7128301	19.45%	2.947%
85	20.915	3028	3031	3036	rVV	5394138	8113981	22.14%	3.354%
86	20.962	3036	3039	3043	rVV2	4005153	6472178	17.66%	2.675%
87	21.009	3043	3047	3049	rVV	3887321	6452285	17.61%	2.667%
88	21.056	3049	3055	3065	rVV2	17621021	36649636	100.00%	15.150%
89	21.139	3065	3069	3076	rVB	8991888	11382549	31.06%	4.705%
90	21.297	3092	3096	3098	rBV	2966013	3746128	10.22%	1.549%
91	21.339	3099	3103	3107	rVV2	2705951	4572110	12.48%	1.890%
92	21.380	3107	3110	3116	rVB	1101078	1513551	4.13%	0.626%
93	21.474	3122	3126	3135	rVB2	1842293	2223013	6.07%	0.919%
94	21.909	3197	3200	3209	rVB	1638549	2344936	6.40%	0.969%
95	22.380	3277	3280	3288	rVB	1337363	1776843	4.85%	0.734%
96	22.897	3364	3368	3371	rBV	1021783	1439720	3.93%	0.595%
97	23.474	3462	3466	3469	rBV	700415	993450	2.71%	0.411%
98	23.621	3486	3491	3496	rBV	1454460	2549885	6.96%	1.054%

Sum of corrected areas: 241919133

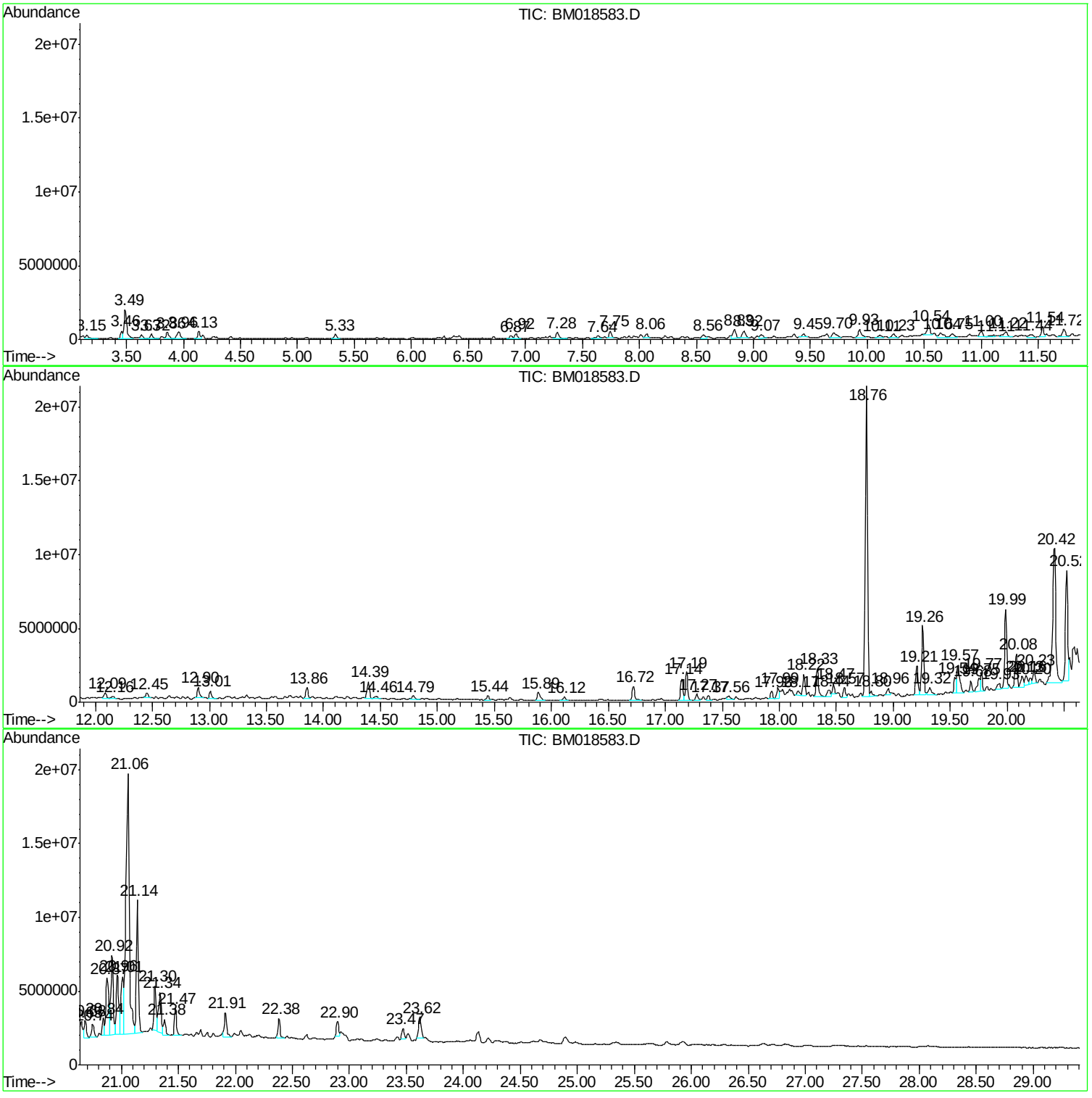
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM011619\
Data File : BM018583.D
Acq On : 16 Jan 2019 15:02
Operator : JU/SJ
Sample : K1102-01 5X
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
CPSB-18(15-20)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM010919.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\BM011619\
Data File : BM018583.D
Acq On : 16 Jan 2019 15:02
Operator : JU/SJ
Sample : K1102-01 5X
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : CPSB-18(15-20)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM010919.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

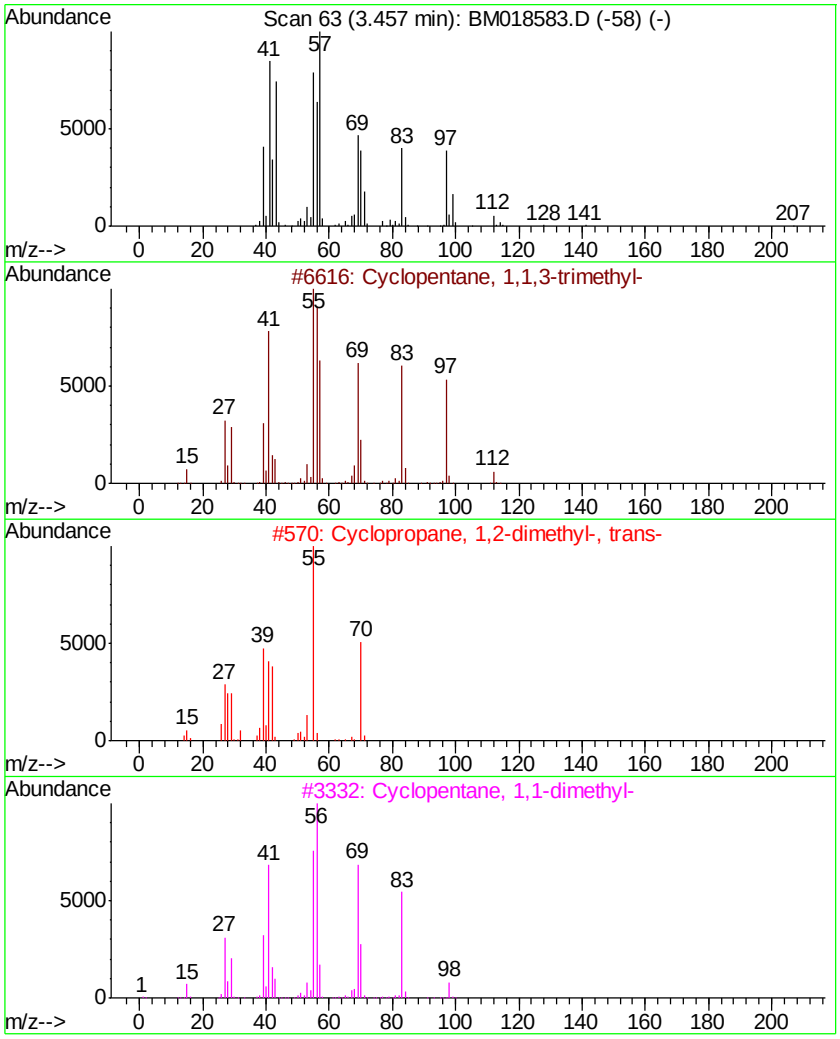
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

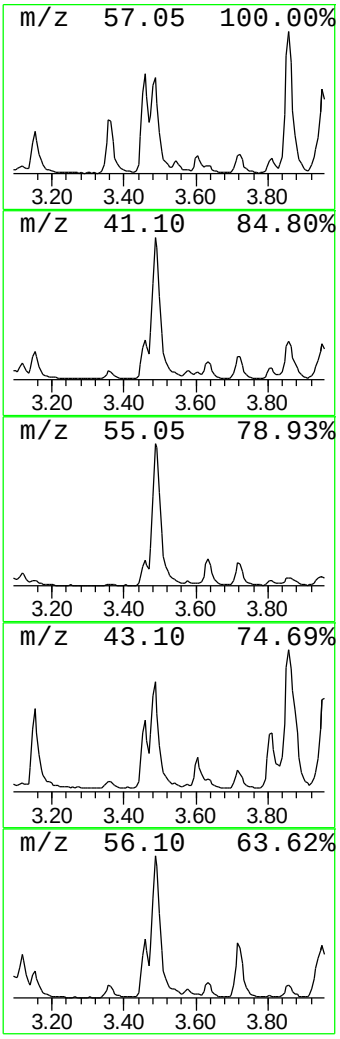
****

Peak Number 1 Cyclopentane, 1,1,3-trimethyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.46	18.64 ng	650950	1,4-Dichlorobenzene-d4	7.75

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, 1,1,3-trimethyl-	112	C8H16	004516-69-2	55
2	Cyclopropane, 1,2-dimethyl-, trans-	70	C5H10	002402-06-4	38
3	Cyclopentane, 1,1-dimethyl-	98	C7H14	001638-26-2	38
4	Cyclobutanone, 2,3,3-trimethyl-	112	C7H12O	028290-01-9	38
5	1-Hexene, 3-methyl-	98	C7H14	003404-61-3	38





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM011619\
Data File : BM018583.D
Acq On : 16 Jan 2019 15:02
Operator : JU/SJ
Sample : K1102-01 5X
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : CPSB-18(15-20)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM010919.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

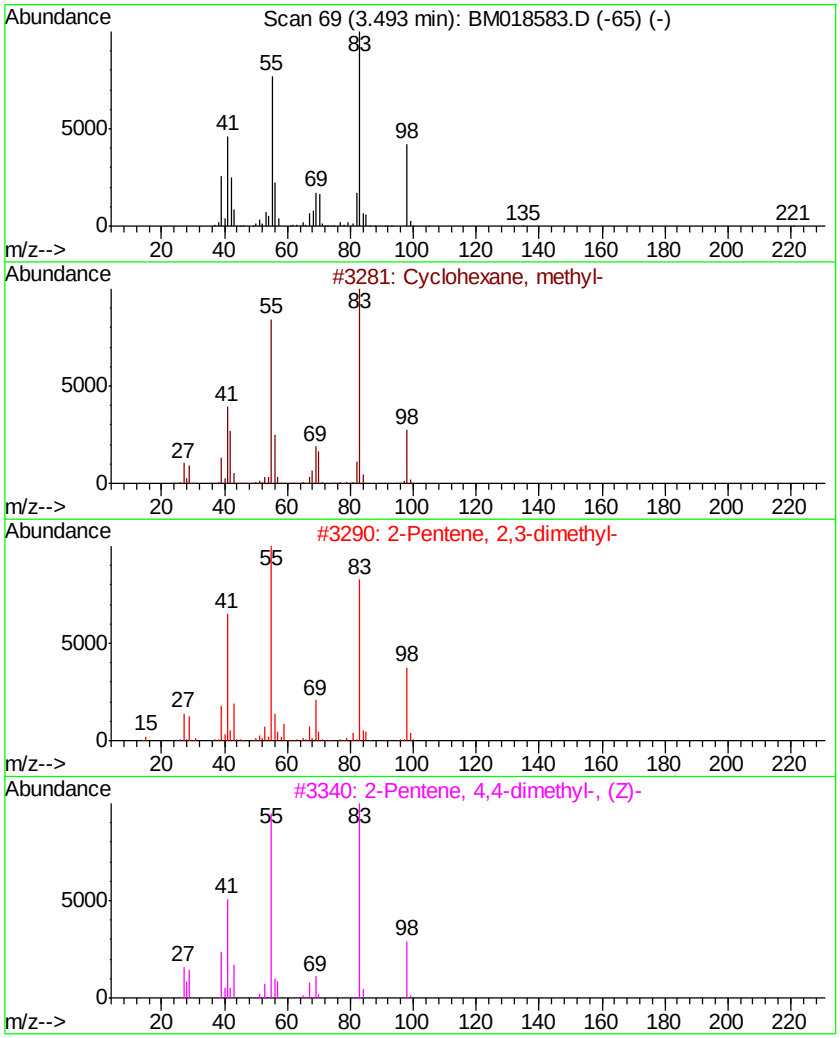
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

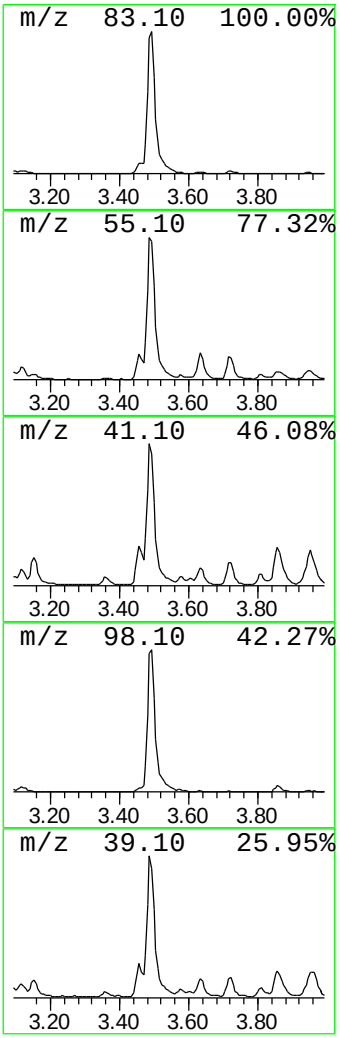
****

Peak Number 2 Cyclohexane, methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.49	87.66 ng	3061630	1,4-Dichlorobenzene-d4	7.75

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, methyl-	98	C7H14	000108-87-2	91
2	2-Pentene, 2,3-dimethyl-	98	C7H14	010574-37-5	59
3	2-Pentene, 4,4-dimethyl-, (Z)-	98	C7H14	000762-63-0	58
4	1H-Pyrazole, 4,5-dihydro-1,5-dim...	98	C5H10N2	005775-96-2	53
5	2-Pentene, 2,4-dimethyl-	98	C7H14	000625-65-0	52





Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM011619\
Data File : BM018583.D
Acq On : 16 Jan 2019 15:02
Operator : JU/SJ
Sample : K1102-01 5X
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : CPSB-18(15-20)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM010919.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

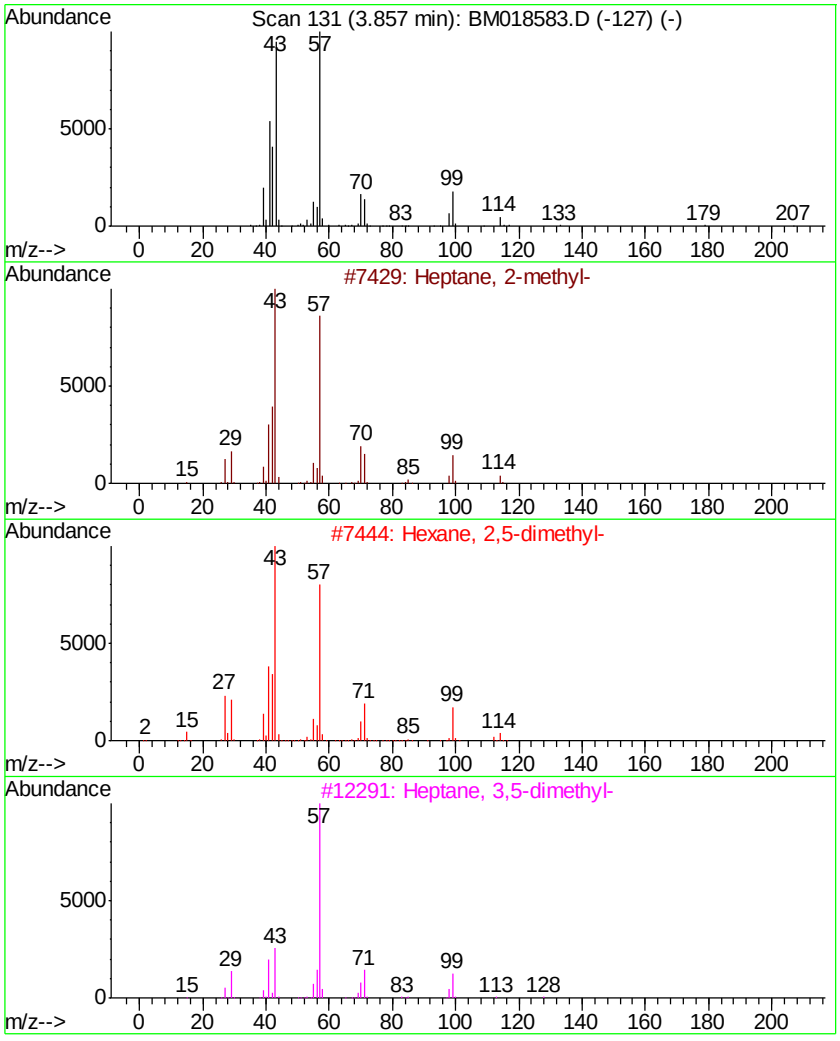
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

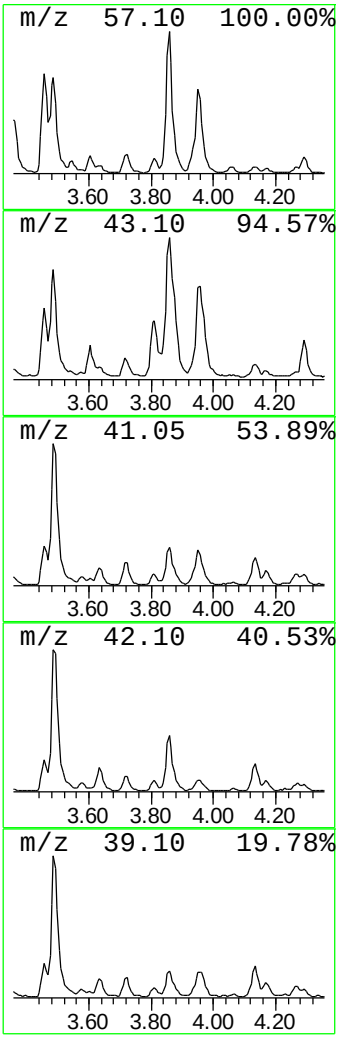
****

Peak Number 3 Heptane, 2-methyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.86	22.38 ng	781767	1,4-Dichlorobenzene-d4	7.75

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 2-methyl-	114	C8H18	000592-27-8	94
2	Hexane, 2,5-dimethyl-	114	C8H18	000592-13-2	80
3	Heptane, 3,5-dimethyl-	128	C9H20	000926-82-9	38
4	Isobutane	58	C4H10	000075-28-5	35
5	2-Hexanone, 4-methyl-	114	C7H14O	000105-42-0	35





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM011619\
Data File : BM018583.D
Acq On : 16 Jan 2019 15:02
Operator : JU/SJ
Sample : K1102-01 5X
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : CPSB-18(15-20)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM010919.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

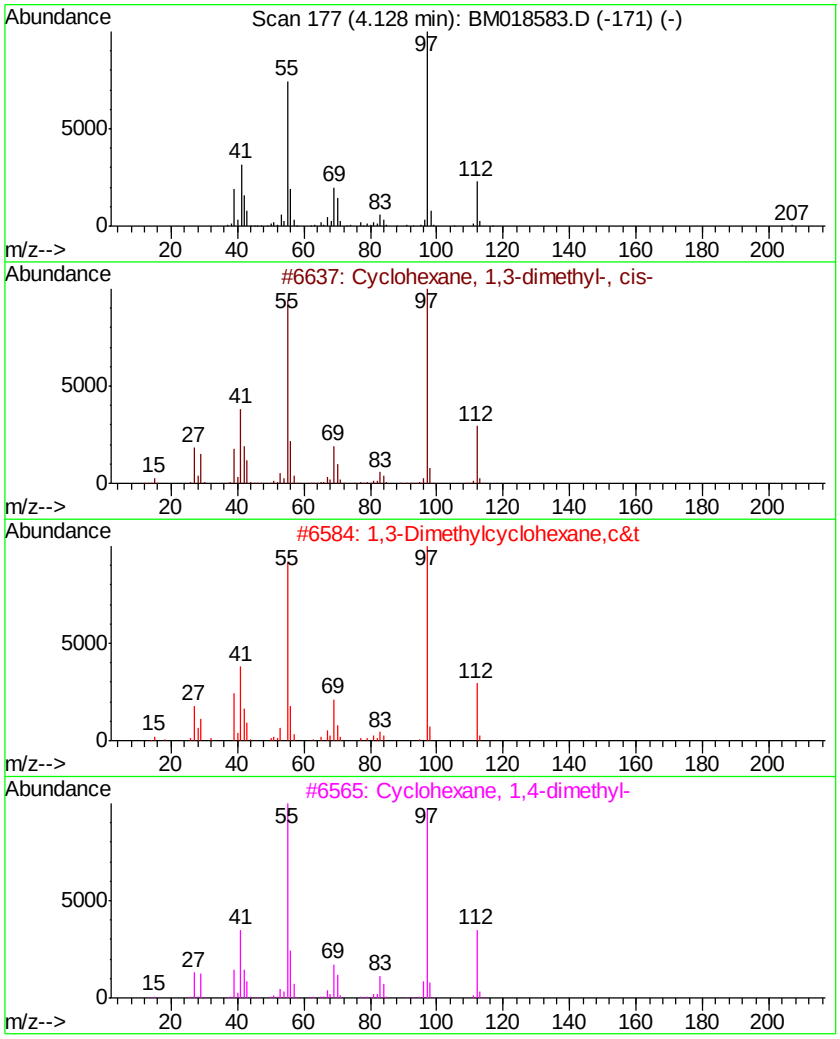
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

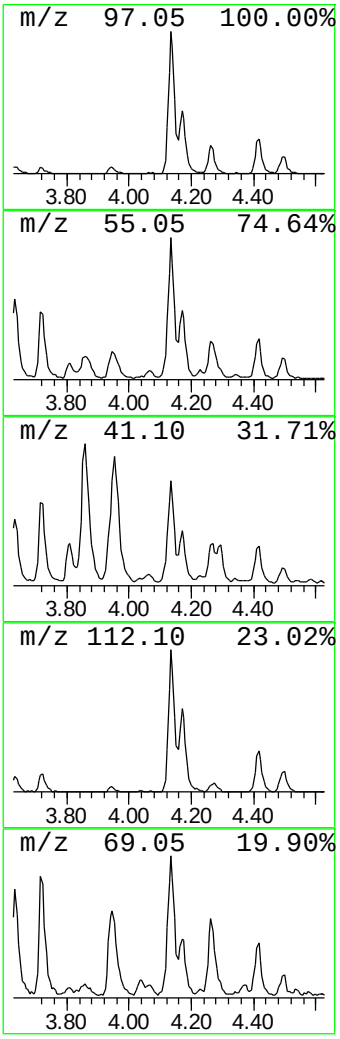
****

Peak Number 5 Cyclohexane, 1,3-dimethyl-,... Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.13	22.17 ng	774473	1,4-Dichlorobenzene-d4	7.75

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,3-dimethyl-, cis-	112	C8H16	000638-04-0	97
2	1,3-Dimethylcyclohexane,c&t	112	C8H16	000591-21-9	95
3	Cyclohexane, 1,4-dimethyl-	112	C8H16	000589-90-2	90
4	Cyclohexane, 1,4-dimethyl-, cis-	112	C8H16	000624-29-3	83
5	2-Pentene, 3,4,4-trimethyl-	112	C8H16	000598-96-9	80





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM011619\
Data File : BM018583.D
Acq On : 16 Jan 2019 15:02
Operator : JU/SJ
Sample : K1102-01 5X
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : CPSB-18(15-20)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM010919.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

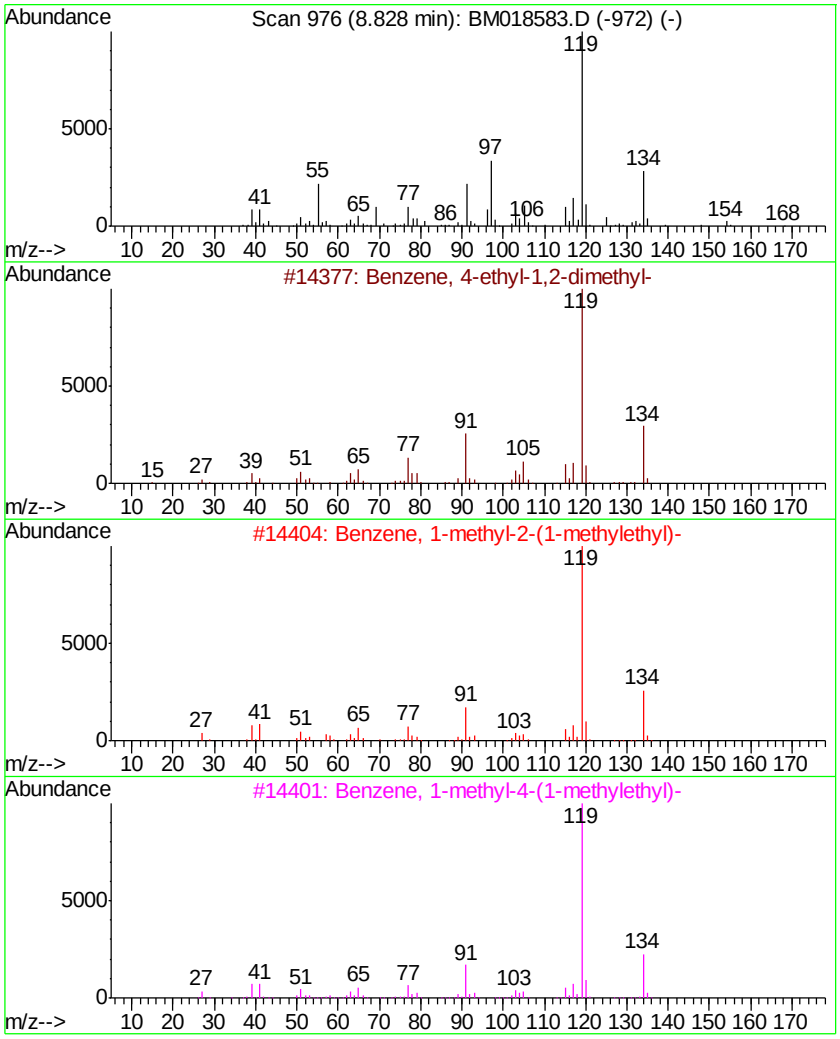
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

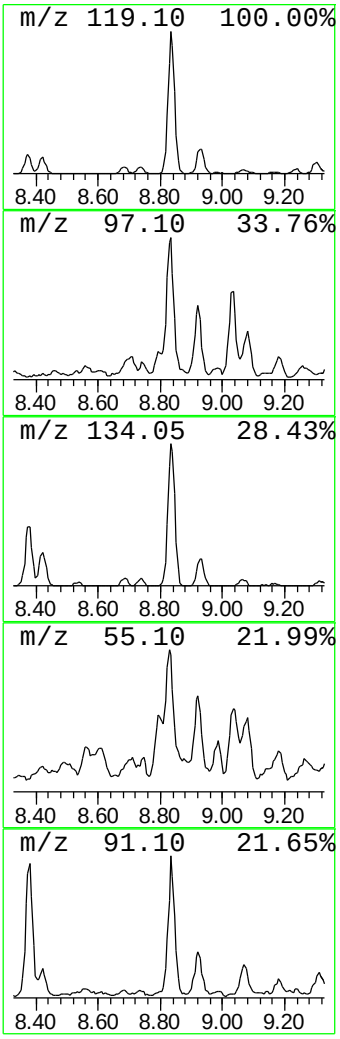
****

Peak Number 7 Benzene, 4-ethyl-1,2-dimethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.83	32.59 ng	1138110	1,4-Dichlorobenzene-d4	7.75

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	94
2	Benzene, 1-methyl-2-(1-methyleth...	134	C10H14	000527-84-4	94
3	Benzene, 1-methyl-4-(1-methyleth...	134	C10H14	000099-87-6	94
4	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	90
5	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	81





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Acq On : 16 Jan 2019 15:02
Operator : JU/SJ
Sample : K1102-01 5X
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : CPSB-18(15-20)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM010919.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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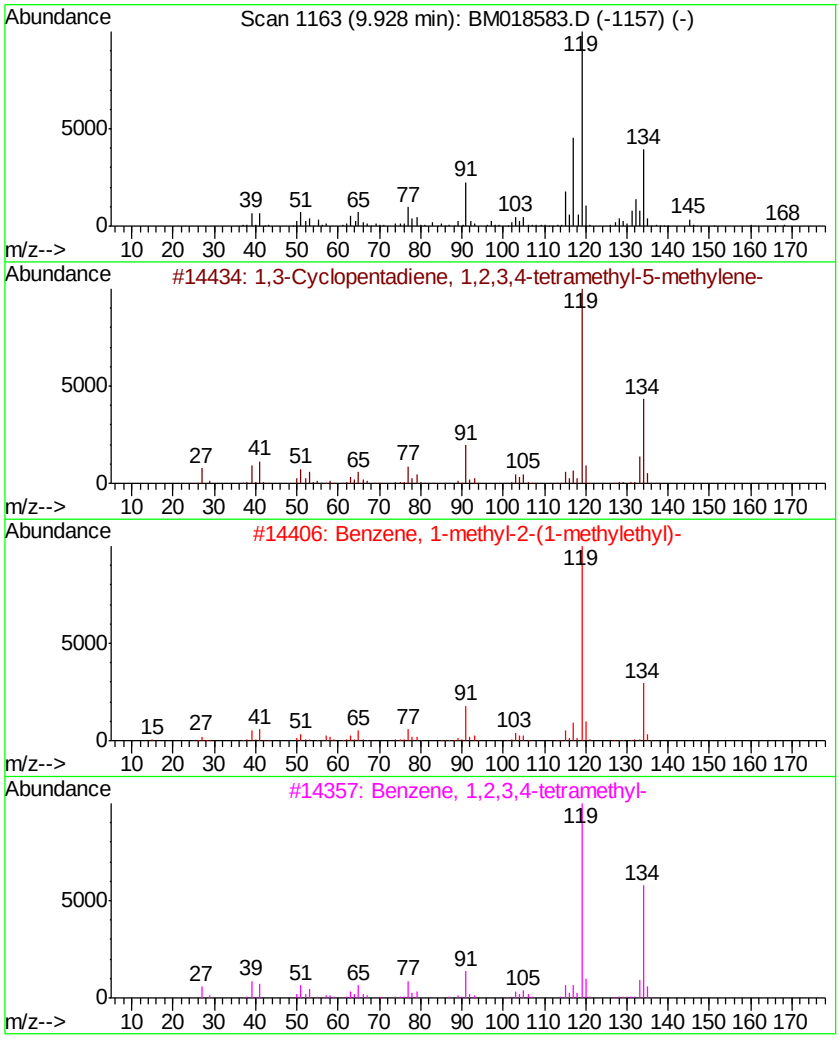
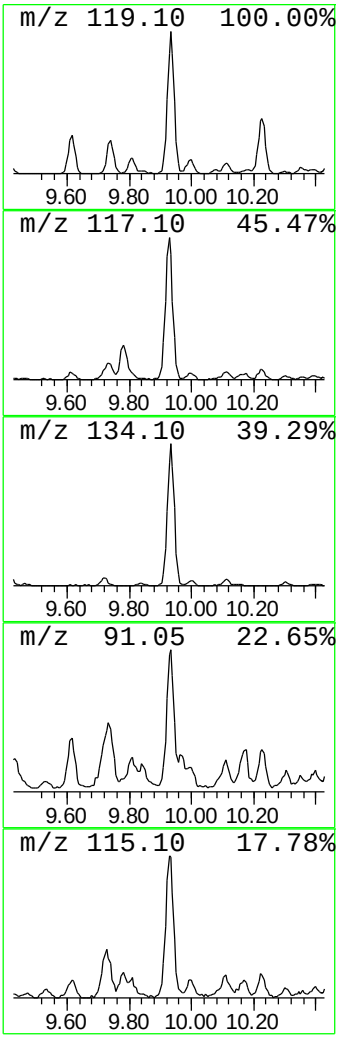
Peak Number 8 1,3-Cyclopentadiene, 1,2,3,... Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.93	20.97 ng	1231130	Naphthalene-d8	10.54

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,3-Cyclopentadiene, 1,2,3,4-tet...	134	C10H14	076089-59-3	81
2	Benzene, 1-methyl-2-(1-methyleth...	134	C10H14	000527-84-4	81
3	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	81
4	Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	81
5	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	81





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Acq On : 16 Jan 2019 15:02
Operator : JU/SJ
Sample : K1102-01 5X
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : CPSB-18(15-20)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM010919.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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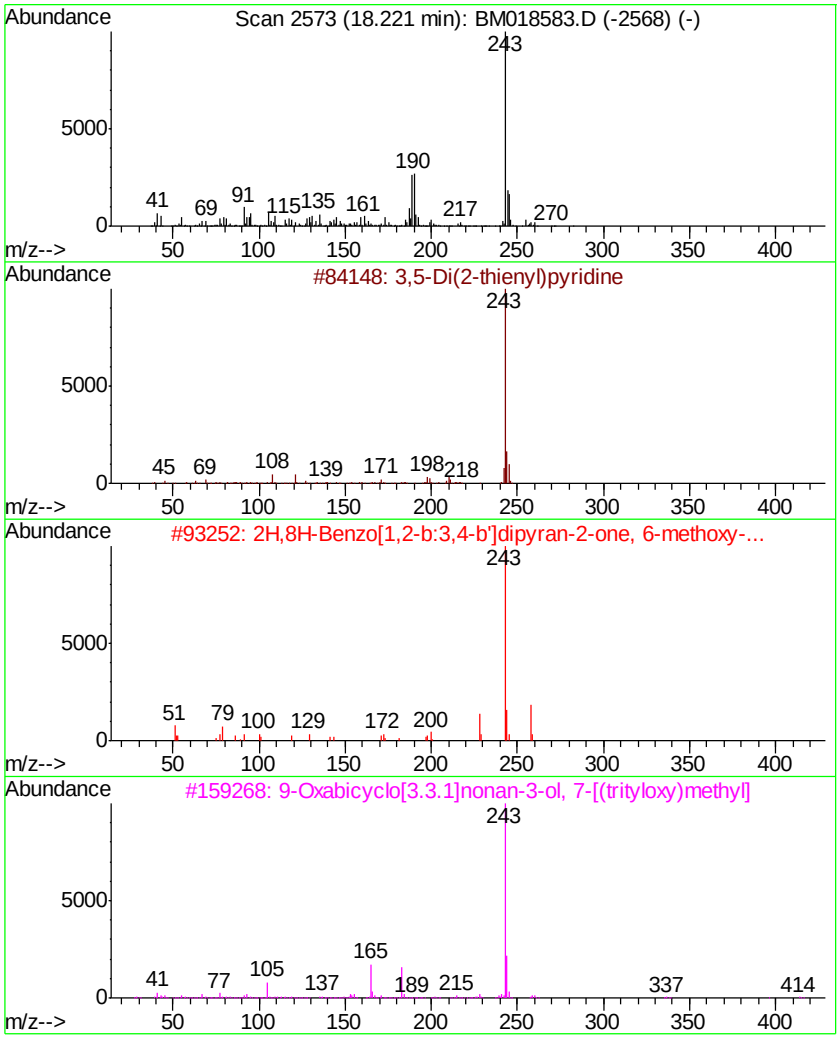
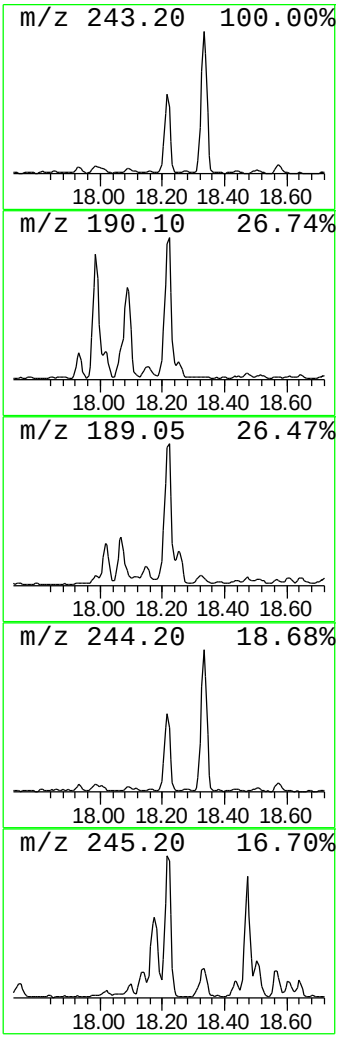
Peak Number 9 3,5-Di(2-thienyl)pyridine Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.22	18.48 ng	1939750	Phenanthrene-d10	17.14

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3,5-Di(2-thienyl)pyridine	243	C13H9NS2	117823-19-5	50
2	2H,8H-Benzo[1,2-b:3,4-b']dipyran...	258	C15H14O4	006054-10-0	43
3	9-Oxabicyclo[3.3.1]nonan-3-ol, 7...	414	C28H30O3	1000197-53-9	38
4	Benzoic acid, 4-(4-butylcyclohex...	430	C27H30N2O3	086377-40-4	38
5	Heptanoic acid, triisopropylsily...	286	C16H34O2Si	1000279-49-1	38





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Operator : JU/SJ
Sample : K1102-01 5X
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : CPSB-18(15-20)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM010919.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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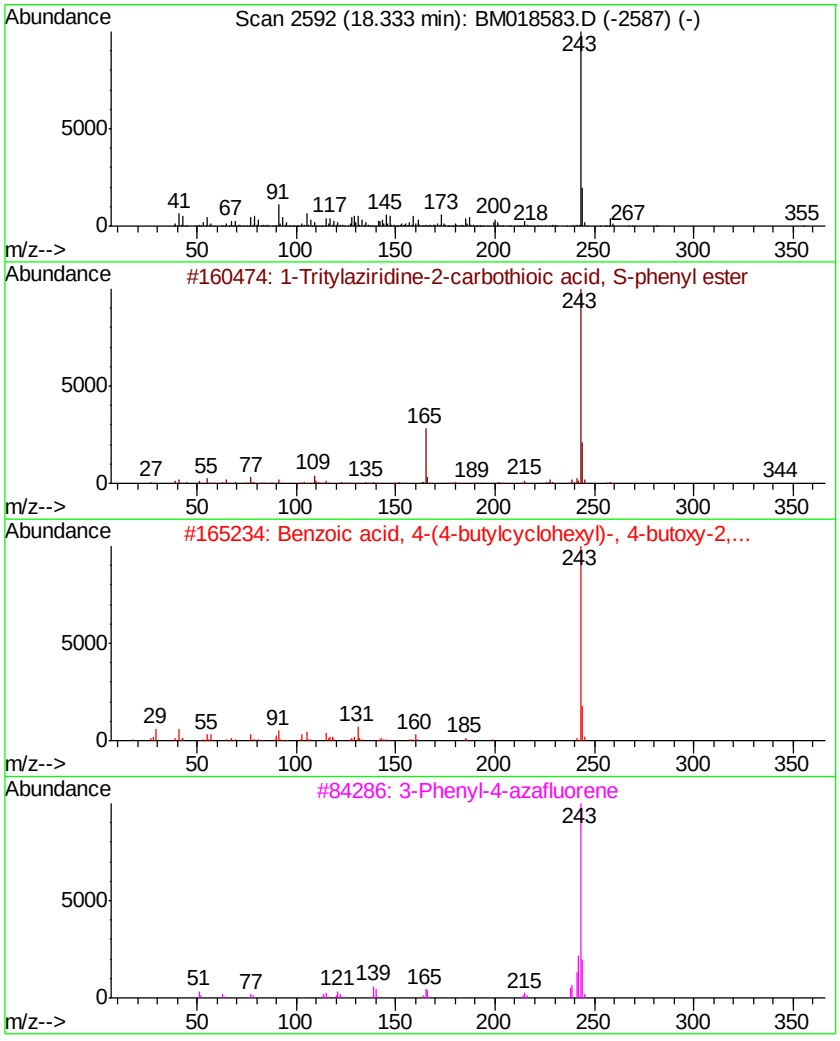
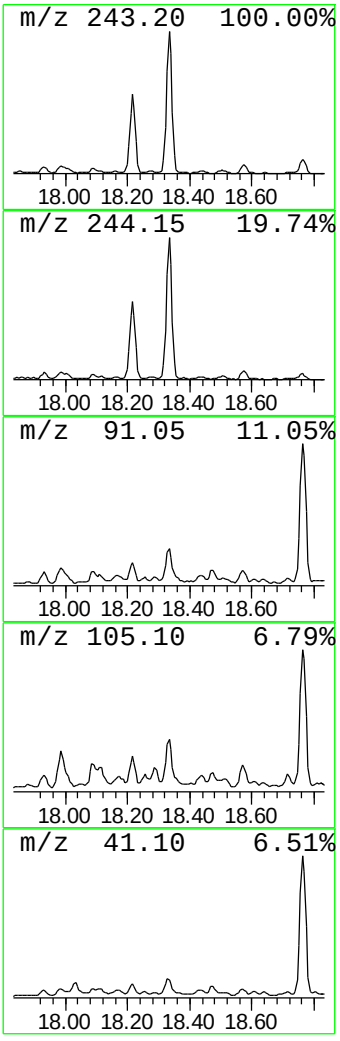
Peak Number 10 1-Tritylaziridine-2-carboth... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.33	26.98 ng	2832460	Phenanthrene-d10	17.14

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Tritylaziridine-2-carbothioic ...	421	C28H23NOS	1000191-60-9	59
2	Benzoic acid, 4-(4-butylcyclohex...	458	C29H34N2O3	075941-90-1	59
3	3-Phenyl-4-azafluorene	243	C18H13N	033777-97-8	59
4	Heptanoic acid, triisopropylsily...	286	C16H34O2Si	1000279-49-1	45
5	2(1H)-Pyridinone, 3-acetyl-4-hyd...	243	C14H13NO3	013959-06-3	45





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Acq On : 16 Jan 2019 15:02
Operator : JU/SJ
Sample : K1102-01 5X
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : CPSB-18(15-20)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM010919.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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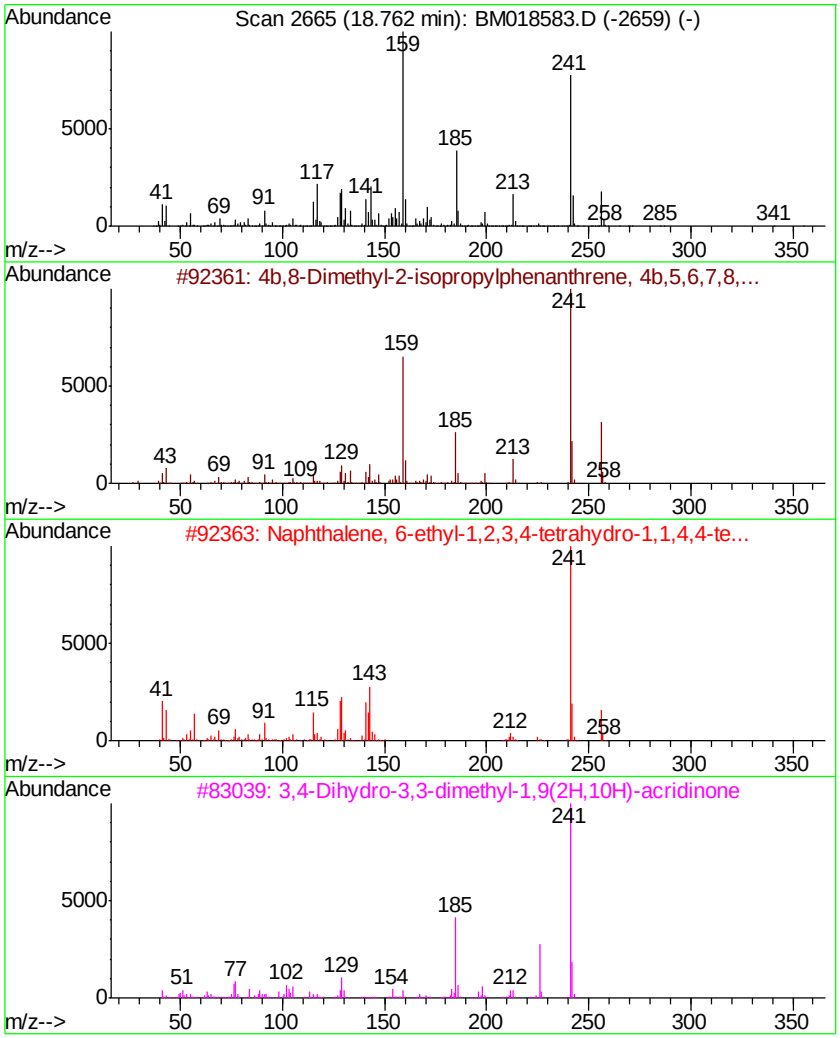
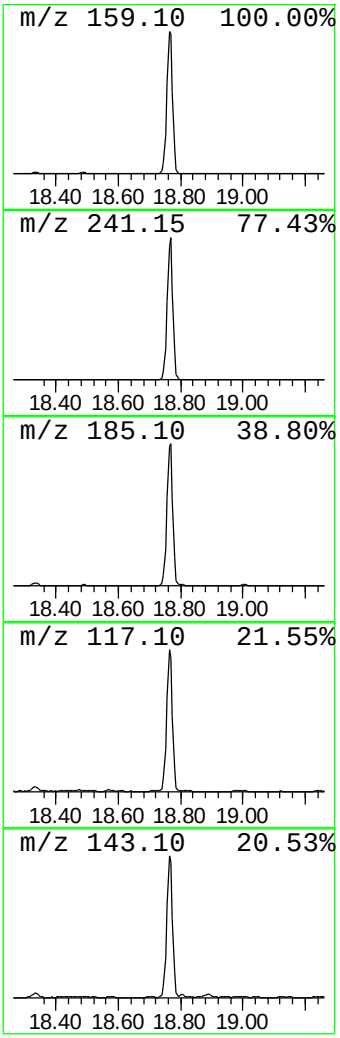
Peak Number 11 4b,8-Dimethyl-2-isopropylph... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.76	268.90 ng	28230500	Phenanthrene-d10	17.14

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4b,8-Dimethyl-2-isopropylphenant...	256	C19H28	1000197-14-1	97
2	Naphthalene, 6-ethyl-1,2,3,4-tet...	256	C19H28	301643-35-6	60
3	3,4-Dihydro-3,3-dimethyl-1,9(2H,...	241	C15H15NO2	1000212-95-2	38
4	Benzene, 1,1'-(1-methylethyliden...	256	C17H20O2	001568-83-8	25
5	2(1H)-Quinolinone, hydrazone	159	C9H9N3	015793-77-8	22





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Acq On : 16 Jan 2019 15:02
Operator : JU/SJ
Sample : K1102-01 5X
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : CPSB-18(15-20)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM010919.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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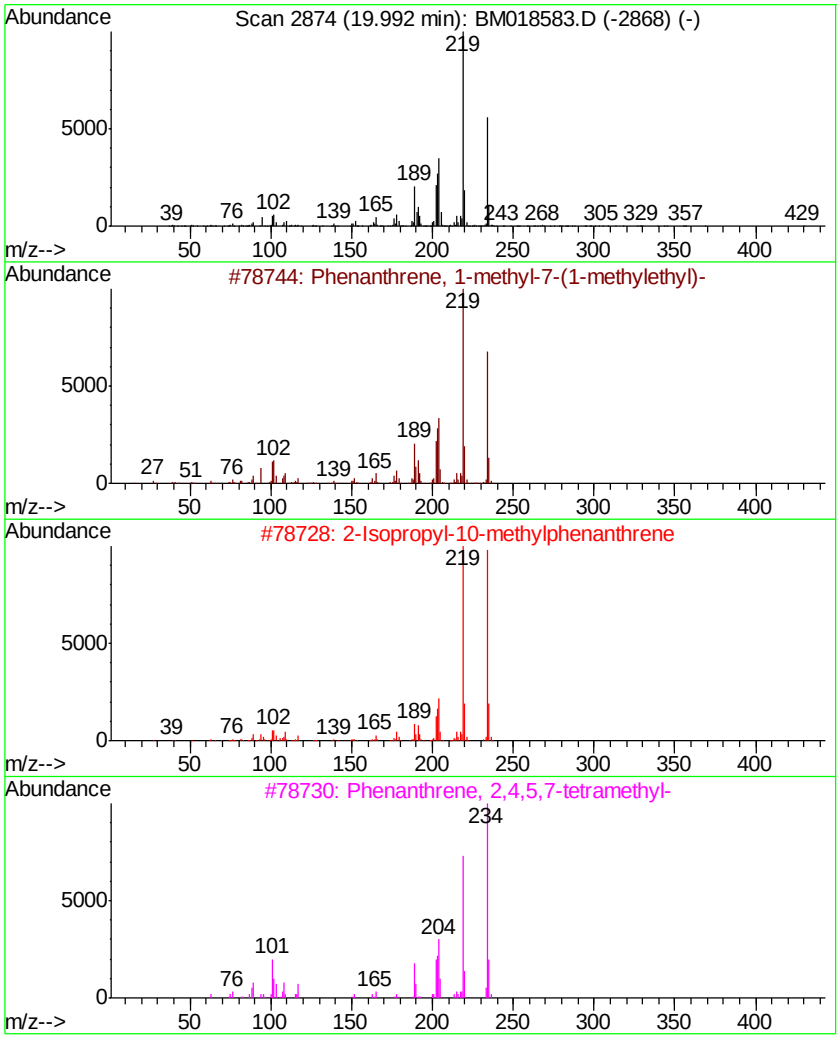
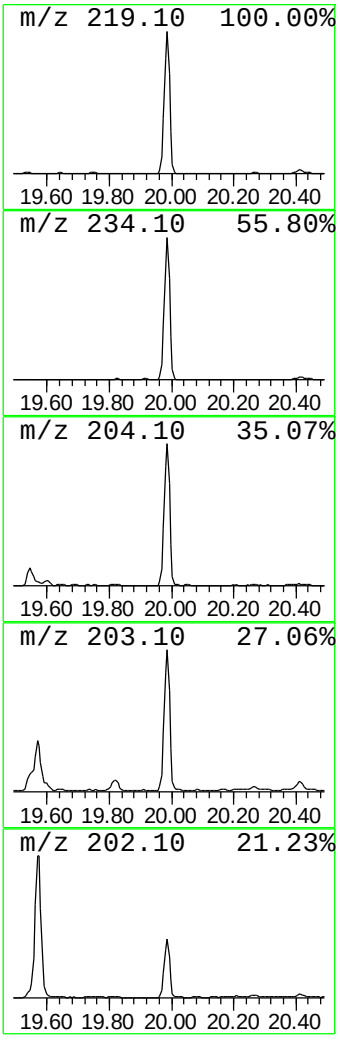
Peak Number 12 Phenanthrene, 1-methyl-7-(1... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.99	28.25 ng	6458430	Chrysene-d12	21.34

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-7-(1-meth...	234	C18H18	000483-65-8	98
2	2-Isopropyl-10-methylphenanthrene	234	C18H18	066552-97-4	95
3	Phenanthrene, 2,4,5,7-tetramethyl-	234	C18H18	007396-38-5	68
4	2,5-Diphenyl-2,4-hexadiene	234	C18H18	016819-47-9	64
5	Phenanthrene, 3,4,5,6-tetramethyl-	234	C18H18	007343-06-8	64





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Data File : BM018583.D
Acq On : 16 Jan 2019 15:02
Operator : JU/SJ
Sample : K1102-01 5X
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : CPSB-18(15-20)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM010919.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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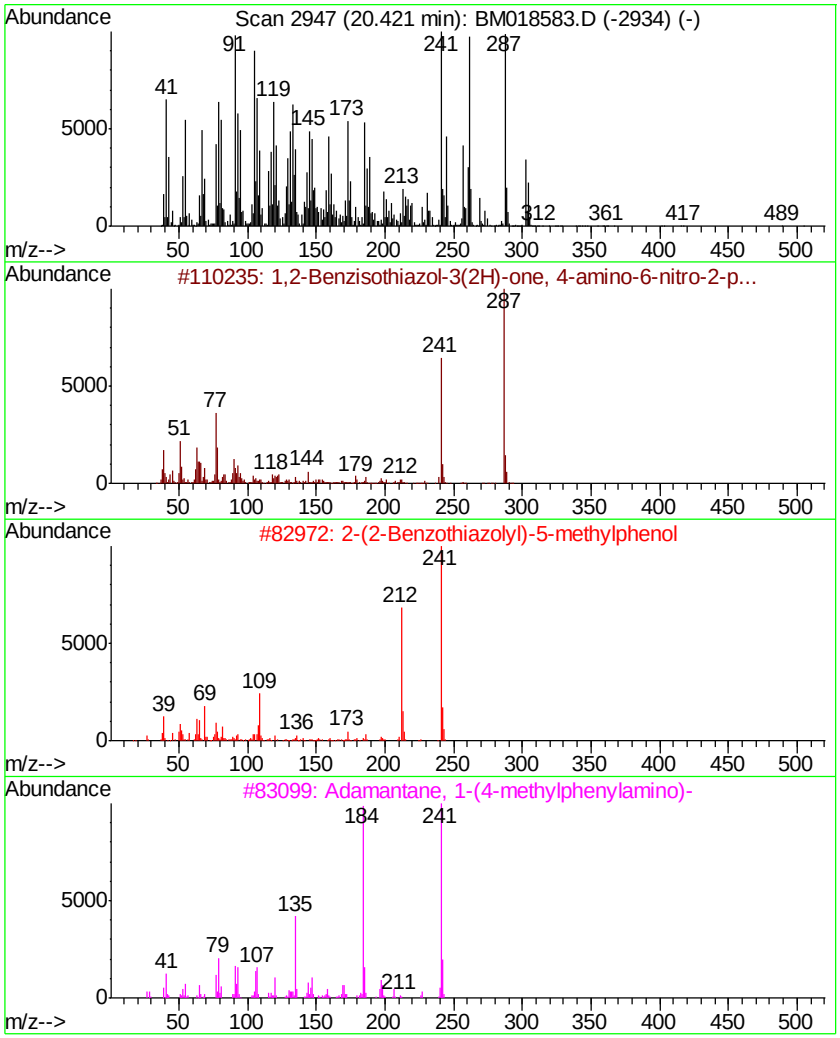
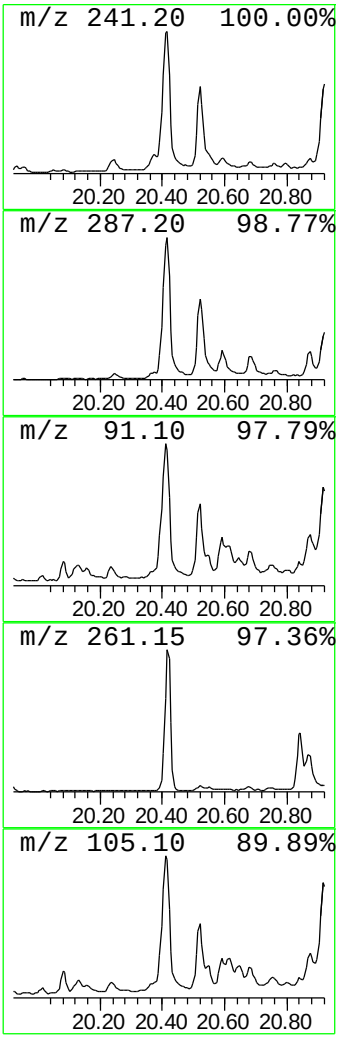
Peak Number 13 unknown20.42 Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.42	75.42 ng	17241000	Chrysene-d12	21.34

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,2-Benzisothiazol-3(2H)-one, 4-...	287	C13H9N3O3S	1000277-42-1	25
2	2-(2-Benzothiazolyl)-5-methylphenol	241	C14H11NOS	056048-54-5	15
3	Adamantane, 1-(4-methylphenylami...	241	C17H23N	019984-39-5	15
4	3,4-Dihydro-3,3-dimethyl-1,9(2H,...	241	C15H15NO2	1000212-95-2	14
5	1-Propanone, 1-[3,5-bis(trifluor...	270	C11H8F6O	085068-34-4	11





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Acq On : 16 Jan 2019 15:02
Operator : JU/SJ
Sample : K1102-01 5X
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : CPSB-18(15-20)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM010919.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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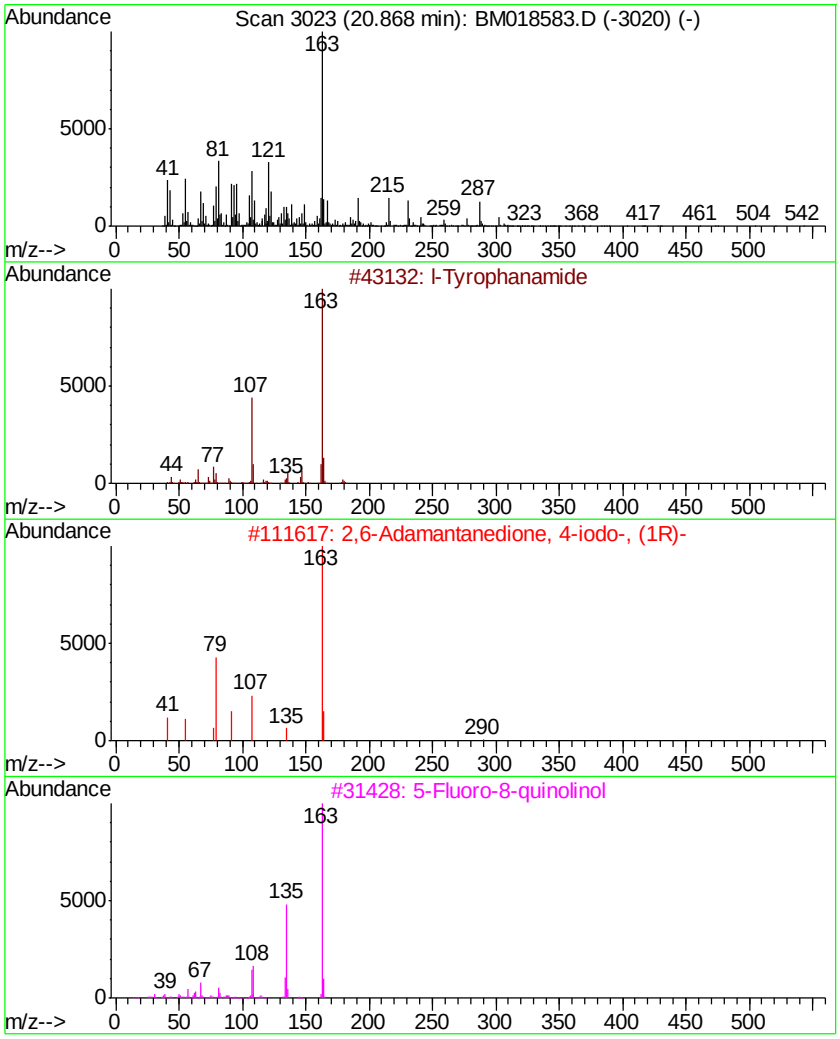
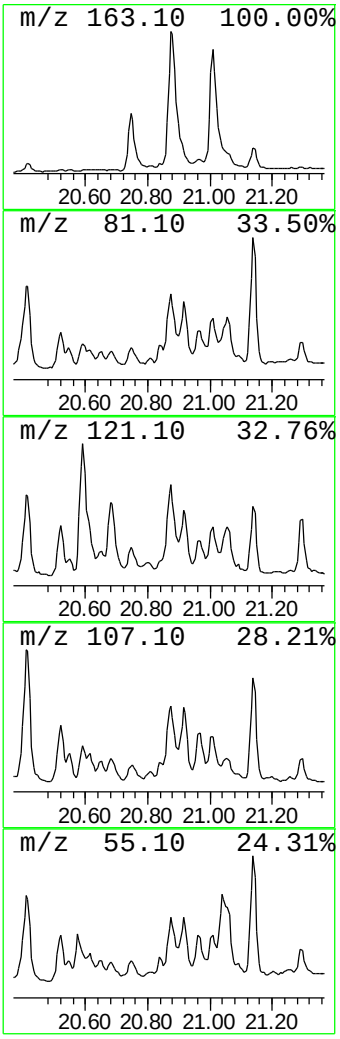
Peak Number 15 l-Tyrophanamide Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.87	31.18 ng	7128300	Chrysene-d12	21.34

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	l-Tyrophanamide	180	C9H12N2O2	1000131-25-3	53
2	2,6-Adamantanedione, 4-iodo-, (1R)-	290	C10H11IO2	019305-95-4	52
3	5-Fluoro-8-quinolinol	163	C9H6FNO	000387-97-3	50
4	1,4-Methanophthalazine, 1,4,4a,5...	206	C13H22N2	109746-14-7	50
5	Benzene, 1-(1,1-dimethylethyl)-4...	178	C12H18O	017269-94-2	50





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Operator : JU/SJ
Sample : K1102-01 5X
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : CPSB-18(15-20)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM010919.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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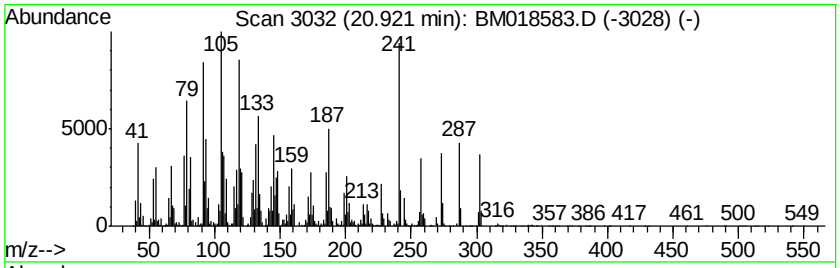
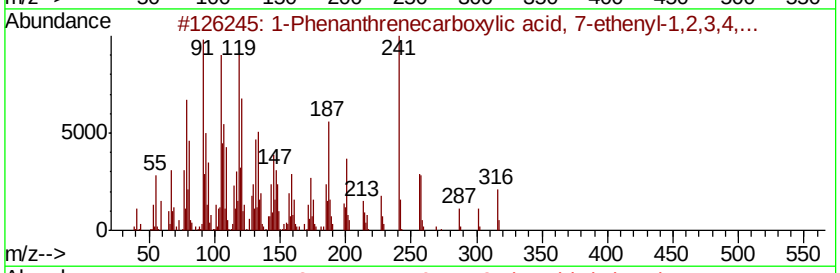
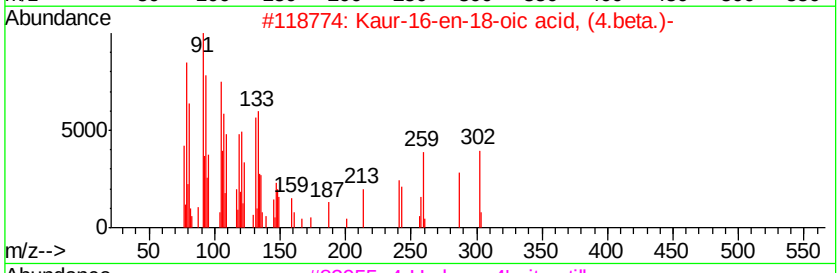
Peak Number 16 1-Phenanthrenecarboxylic ac... Concentration Rank 7

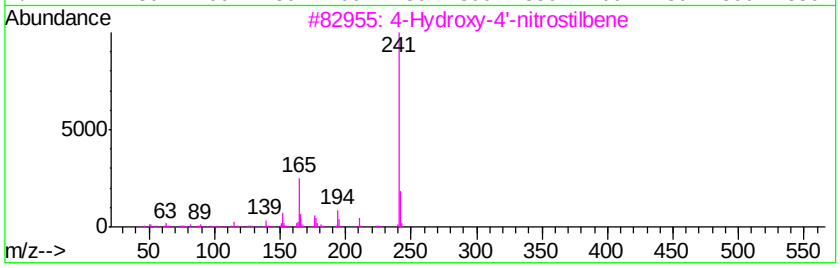
R.T.	EstConc	Area	Relative to ISTD	R.T.
20.92	35.49 ng	8113980	Chrysene-d12	21.34

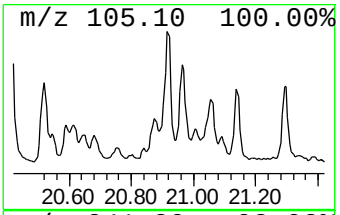
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Phenanthrenecarboxylic acid, 7...	316	C21H32O2	001686-62-0	59
2	Kaur-16-en-18-oic acid, (4.beta.)-	302	C20H30O2	020316-84-1	38
3	4-Hydroxy-4'-nitrostilbene	241	C14H11NO3	019221-08-0	11
4	2-(2-Benzothiazolyl)-5-methylphenol	241	C14H11NOS	056048-54-5	11
5	2-Cyclohexen-1-ol, 2-methyl-5-(1...	152	C10H16O	000099-48-9	11

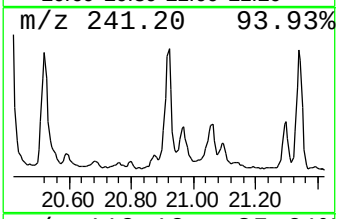


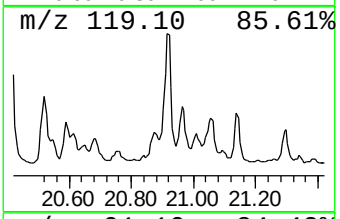


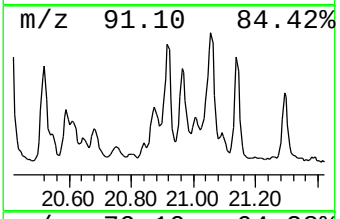


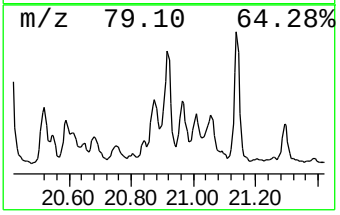












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Acq On : 16 Jan 2019 15:02
Operator : JU/SJ
Sample : K1102-01 5X
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : CPSB-18(15-20)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM010919.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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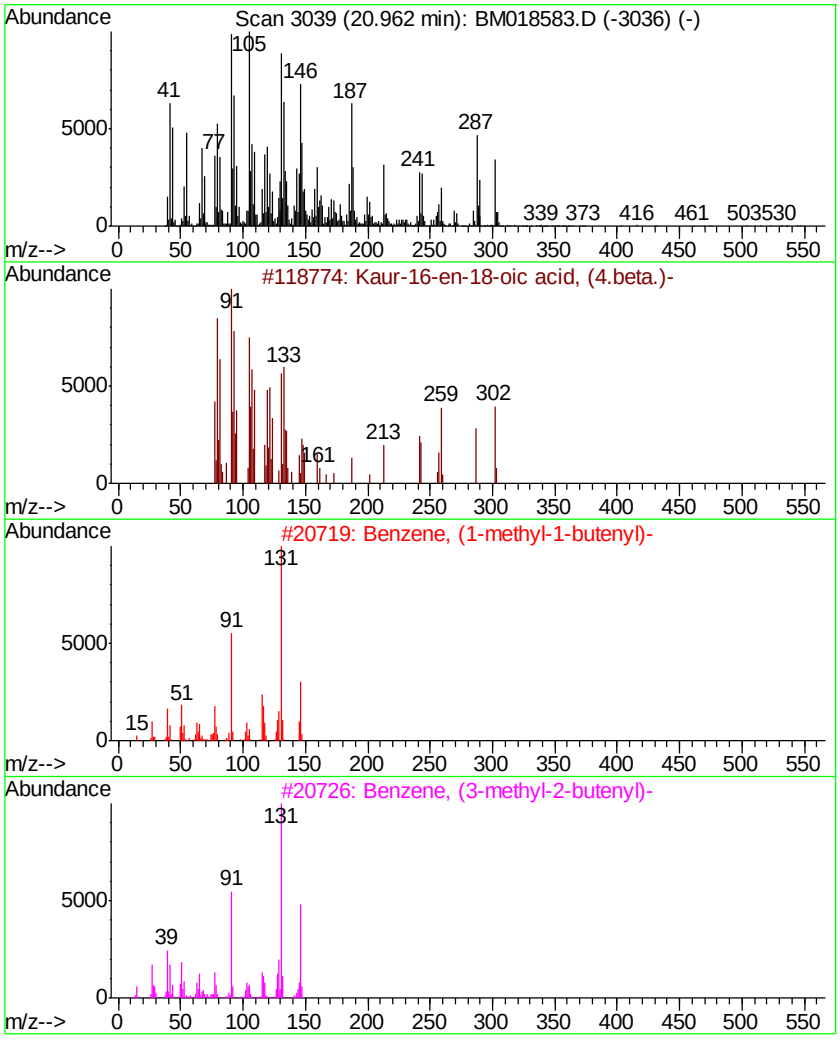
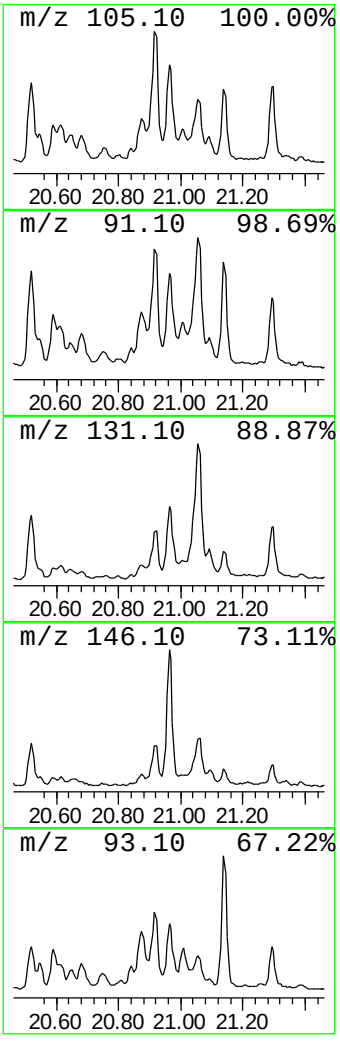
Peak Number 17 unknown20.96 Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.96	28.31 ng	6472180	Chrysene-d12	21.34

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Kaur-16-en-18-oic acid, (4.beta.)-	302	C20H30O2	020316-84-1	46
2	Benzene, (1-methyl-1-butenyl)-	146	C11H14	053172-84-2	35
3	Benzene, (3-methyl-2-butenyl)-	146	C11H14	004489-84-3	35
4	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	001680-51-9	30
5	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	002809-64-5	30





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Acq On : 16 Jan 2019 15:02
Operator : JU/SJ
Sample : K1102-01 5X
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : CPSB-18(15-20)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM010919.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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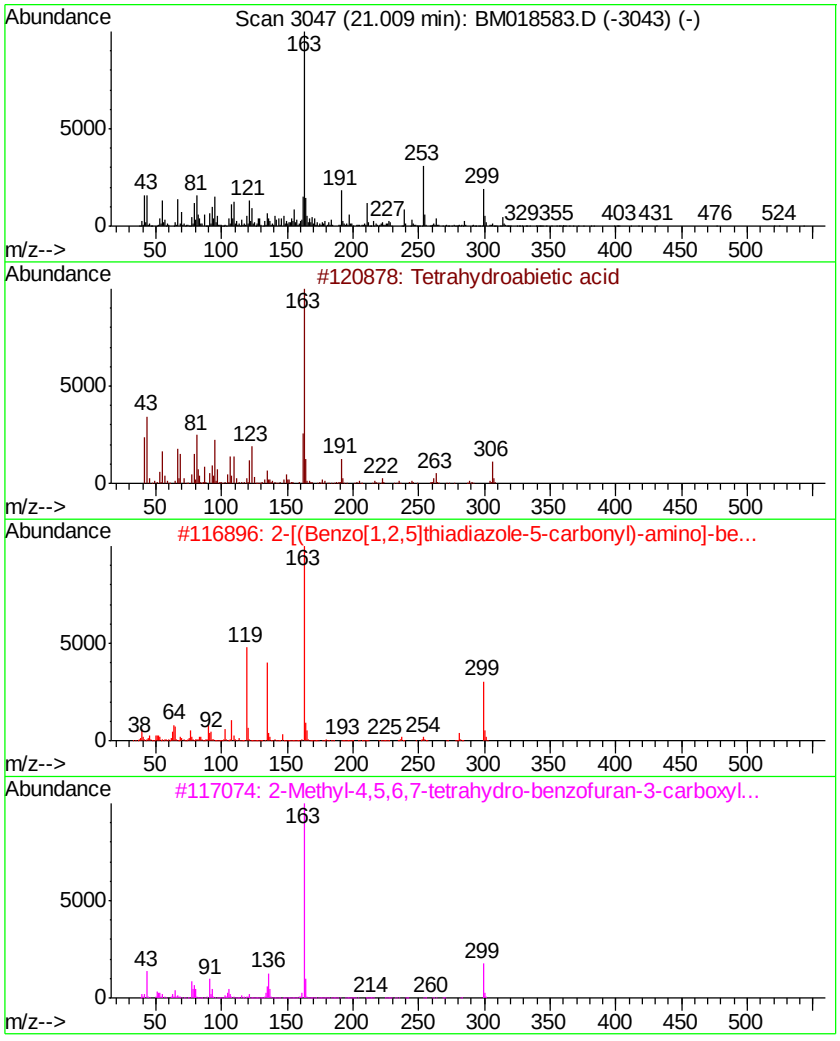
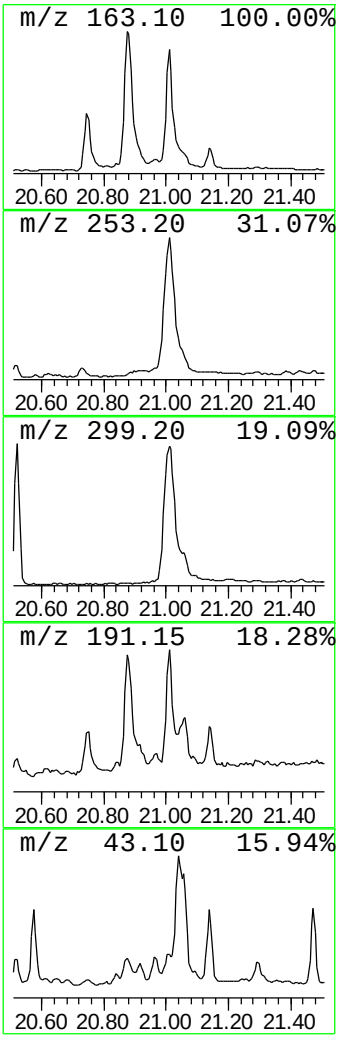
Peak Number 18 Tetrahydroabietic acid Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.01	28.22 ng	6452290	Chrysene-d12	21.34

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tetrahydroabietic acid	306	C20H34O2	1000251-96-9	62
2	2-[(Benzo[1,2,5]thiadiazole-5-ca...	299	C14H9N3O3S	1000294-22-2	50
3	2-Methyl-4,5,6,7-tetrahydro-benz...	299	C17H17NO4	1000295-02-6	47
4	1,3-Dimethyl-5-n-propyl-adamantane	206	C15H26	019385-87-6	43
5	1,3-Dimethyl-5-ethyladamantane	192	C14H24	001687-35-0	41





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Data File : BM018583.D
Acq On : 16 Jan 2019 15:02
Operator : JU/SJ
Sample : K1102-01 5X
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : CPSB-18(15-20)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM010919.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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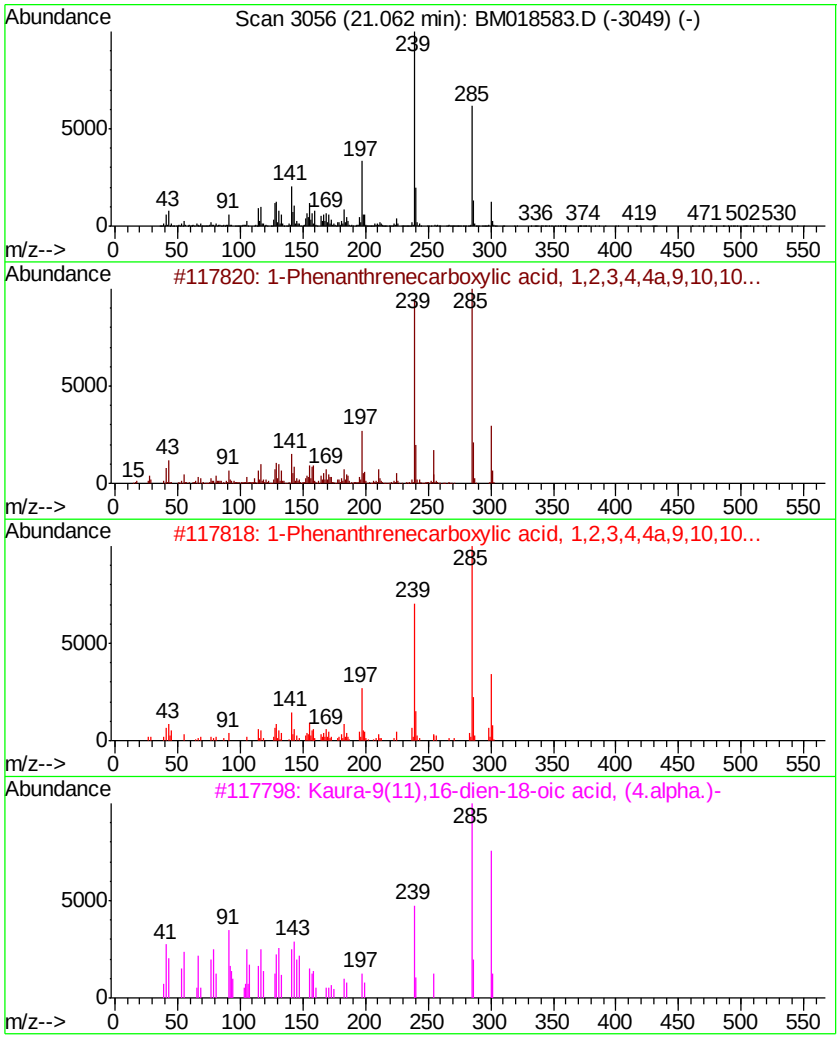
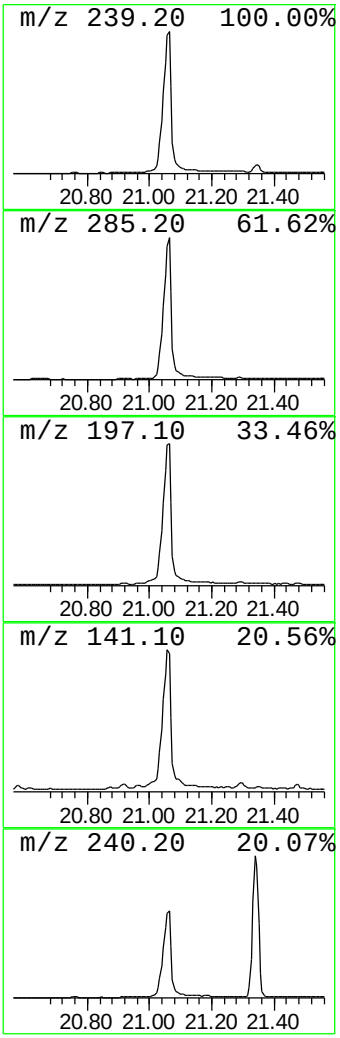
Peak Number 19 1-Phenanthrenecarboxylic ac... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.06	160.32 ng	36649600	Chrysene-d12	21.34

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Phenanthrenecarboxylic acid, 1...	300	C20H28O2	001740-19-8	93
2	1-Phenanthrenecarboxylic acid, 1...	300	C20H28O2	005155-70-4	89
3	Kaura-9(11),16-dien-18-oic acid,...	300	C20H28O2	022338-67-6	78
4	Ethyl 4-hydroxy-7-trifluoromethy...	285	C13H10F3NO3	000391-02-6	58
5	3-Quinolinecarboxylic acid, 4-hy...	285	C13H10F3NO3	023851-84-5	50





Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM011619\
Data File : BM018583.D
Acq On : 16 Jan 2019 15:02
Operator : JU/SJ
Sample : K1102-01 5X
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : CPSB-18(15-20)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM010919.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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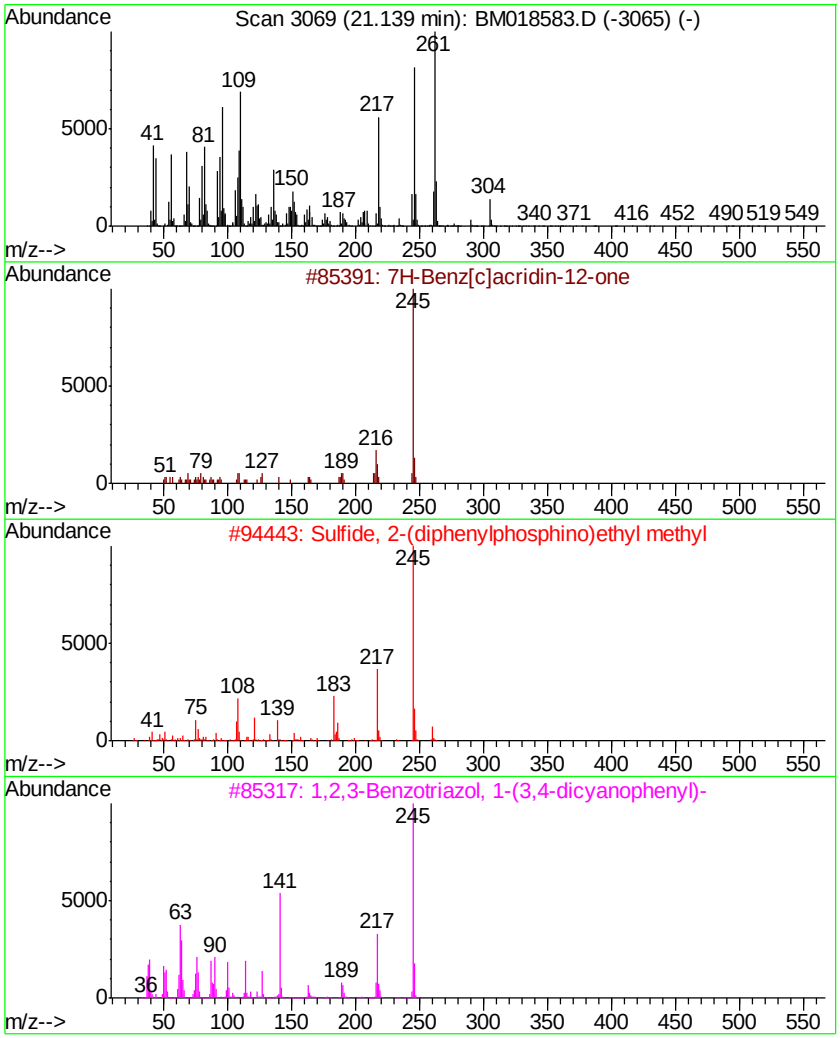
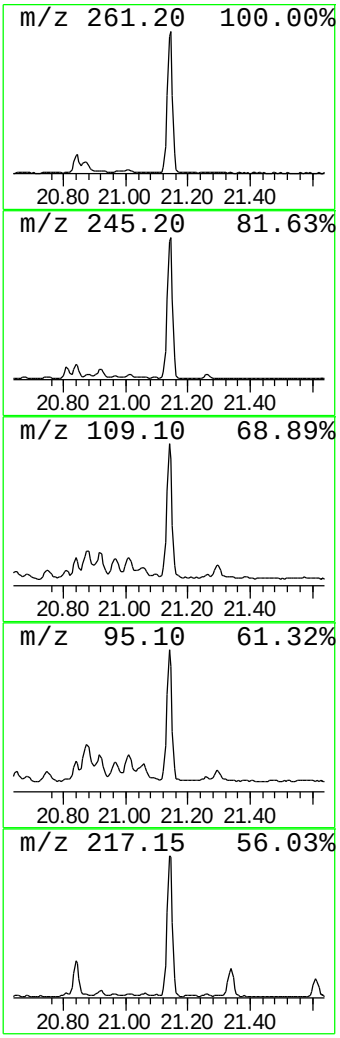
Peak Number 20 unknown21.14 Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.14	49.79 ng	11382500	Chrysene-d12	21.34

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	7H-Benz[c]acridin-12-one	245	C17H11NO	050405-26-0	38
2	Sulfide, 2-(diphenylphosphino)et...	260	C15H17PS	020859-51-2	16
3	1,2,3-Benzotriazol, 1-(3,4-dicva...	245	C14H7N5	287916-57-8	14
4	Benzene, 1-nitro-2-hydroxy-4-(p-...	261	C13H11NO5	189214-54-8	14
5	Benzo[c]azepine, N-acetyl-7,8-di...	261	C15H19NO3	113193-86-5	14





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM011619\
Data File : BM018583.D
Acq On : 16 Jan 2019 15:02
Operator : JU/SJ
Sample : K1102-01 5X
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : CPSB-18(15-20)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM010919.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
Cyclopentane, 1,1...	3.46	18.6	ng	650950	1	7.75	698538	20.0
Cyclohexane, methyl-	3.49	87.7	ng	3061630	1	7.75	698538	20.0
Heptane, 2-methyl-	3.86	22.4	ng	781767	1	7.75	698538	20.0
Cyclohexane, 1,3-...	4.13	22.2	ng	774473	1	7.75	698538	20.0
Benzene, 4-ethyl-...	8.83	32.6	ng	1138110	1	7.75	698538	20.0
1,3-Cyclopentadie...	9.93	21.0	ng	1231130	2	10.54	1174250	20.0
3,5-Di(2-thienyl)...	18.22	18.5	ng	1939750	4	17.14	2099710	20.0
1-Tritylaziridine...	18.33	27.0	ng	2832460	4	17.14	2099710	20.0
4b,8-Dimethyl-2-i...	18.76	268.9	ng	28230500	4	17.14	2099710	20.0
Phenanthrene, 1-m...	19.99	28.3	ng	6458430	5	21.34	4572110	20.0
unknown20.42	20.42	75.4	ng	17241000	5	21.34	4572110	20.0
l-Tyrophanamide	20.87	31.2	ng	7128300	5	21.34	4572110	20.0
1-Phenanthrenecar...	20.92	35.5	ng	8113980	5	21.34	4572110	20.0
unknown20.96	20.96	28.3	ng	6472180	5	21.34	4572110	20.0
Tetrahydroabietic...	21.01	28.2	ng	6452290	5	21.34	4572110	20.0
1-Phenanthrenecar...	21.06	160.3	ng	36649600	5	21.34	4572110	20.0
unknown21.14	21.14	49.8	ng	11382500	5	21.34	4572110	20.0