LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM121219\
Data File : BM024099.D
Acq On : 13 Dec 2019 19:36
Operator : JU
Sample : K6167-02
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BFR90

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0.1 % 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\SOM-EPA-BM112719MA.M
Title : SVOA CALIBRATION

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	3.028	21	24	27	rBV	83464	106039	0.83%	0.106%
2	3.057	27	29	36	rVB	51316	72112	0.57%	0.072%
3	3.722	139	142	147	rVB2	21629	32324	0.25%	0.032%
4	4.022	188	193	203	rBV	112447	193481	1.52%	0.193%
5	4.681	302	305	307	rBV4	12493	16736	0.13%	0.017%
6	4.822	323	329	336	rVB2	24169	38753	0.30%	0.039%
7	5.504	438	445	453	rBV7	17466	43772	0.34%	0.044%
8	6.569	623	626	633	rVB6	10293	16237	0.13%	0.016%
9	6.669	633	643	656	rBV	286849	575023	4.52%	0.573%
10	6.822	663	669	687	rBV	885003	1495315	11.74%	1.491%
11	7.010	694	701	715	rBV	1019312	1693307	13.30%	1.688%
12	7.122	716	720	729	rVB3	24766	51081	0.40%	0.051%
13	7.363	754	761	766	rVB9	9815	15741	0.12%	0.016%
14	7.469	771	779	789	rBV	1136764	1819849	14.29%	1.814%
15	7.551	789	793	796	rVV2	23741	43087	0.34%	0.043%
16	7.581	796	798	805	rVV3	27193	44215	0.35%	0.044%
17	7.692	813	817	820	rVV4	12564	17901	0.14%	0.018%
18	7.781	824	832	834	rBV7	9577	17124	0.13%	0.017%
19	7.816	834	838	846	rVV5	18300	38934	0.31%	0.039%
20	7.904	846	853	858	rVV6	14879	32792	0.26%	0.033%
21	8.104	882	887	891	rBV8	10612	17800	0.14%	0.018%
22	8.192	891	902	913	rBV	870750	1485322	11.66%	1.481%
23	8.569	961	966	968	rBV4	13159	19562	0.15%	0.020%
24	8.622	968	975	986	rVV	1134353	1876121	14.73%	1.870%
25	8.886	1015	1020	1026	rBV8	12747	30087	0.24%	0.030%
26	9.063	1046	1050	1051	rVV	23389	32483	0.26%	0.032%
27	9.104	1051	1057	1063	rVB	195264	334142	2.62%	0.333%
28	9.204	1069	1074	1080	rVB2	29307	45478	0.36%	0.045%
29	9.339	1090	1097	1112	rVV	931445	1602733	12.59%	1.598%
30	9.657	1144	1151	1157	rVB9	18412	40015	0.31%	0.040%
31	9.763	1161	1169	1173	rBV8	14521	28340	0.22%	0.028%
32	9.875	1181	1188	1205	rBV	1513392	2757857	21.66%	2.750%
33	10.033	1212	1215	1220	rVB5	15272	23580	0.19%	0.024%
34	10.239	1243	1250	1257	rBV	1632112	2710489	21.29%	2.702%

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Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BFR90

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0.1 % 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\SOM-EPA-BM112719MA.M
Title : SVOA CALIBRATION

35	10.333	1262	1266	1272	rVV	87801	156072	1.23%	0.156%
36	10.404	1272	1278	1286	rVB	76946	161783	1.27%	0.161%
37	10.551	1296	1303	1311	rBV6	29193	54378	0.43%	0.054%
38	10.663	1313	1322	1338	rBV	7880531	12733771	100.00%	12.696%
39	10.810	1342	1347	1350	rVV5	13126	24655	0.19%	0.025%
40	10.980	1371	1376	1378	rBV6	9560	17843	0.14%	0.018%
41	11.098	1388	1396	1404	rVB5	35452	89572	0.70%	0.089%
42	11.169	1404	1408	1412	rVB5	19156	32341	0.25%	0.032%
43	11.227	1412	1418	1425	rBV9	18102	59114	0.46%	0.059%
44	11.280	1425	1427	1435	rVB9	15951	23793	0.19%	0.024%
45	11.339	1435	1437	1443	rVB7	11313	20837	0.16%	0.021%
46	11.463	1454	1458	1462	rBV3	17556	28081	0.22%	0.028%
47	11.510	1462	1466	1467	rVV2	15708	21879	0.17%	0.022%
48	11.533	1467	1470	1474	rVV2	21944	32610	0.26%	0.033%
49	11.574	1474	1477	1483	rVB2	25023	36814	0.29%	0.037%
50	11.657	1488	1491	1496	rVB6	12257	18445	0.14%	0.018%
51	11.751	1498	1507	1513	rBV3	35596	87485	0.69%	0.087%
52	11.810	1513	1517	1520	rVV	32263	55878	0.44%	0.056%
53	11.839	1520	1522	1527	rVB4	29466	44884	0.35%	0.045%
54	11.951	1536	1541	1546	rBV4	29367	57299	0.45%	0.057%
55	11.998	1546	1549	1557	rVV8	20902	39192	0.31%	0.039%
56	12.086	1557	1564	1571	rVV10	14650	43928	0.34%	0.044%
57	12.222	1583	1587	1591	rVB7	12054	20102	0.16%	0.020%
58	12.316	1597	1603	1608	rVV8	14000	27337	0.21%	0.027%
59	12.480	1625	1631	1636	rBV2	46176	88600	0.70%	0.088%
60	12.604	1645	1652	1659	rBV2	100535	176124	1.38%	0.176%
61	12.733	1669	1674	1679	rVB2	60668	90674	0.71%	0.090%
62	12.980	1711	1716	1720	rVB6	33420	48391	0.38%	0.048%
63	13.039	1720	1726	1733	rBV	132873	233350	1.83%	0.233%
64	13.116	1735	1739	1743	rVB2	29624	42480	0.33%	0.042%
65	13.221	1754	1757	1761	rBV5	9178	17001	0.13%	0.017%
66	13.486	1798	1802	1807	rBV7	18825	32630	0.26%	0.033%
67	13.551	1807	1813	1818	rVV	3029453	4168545	32.74%	4.156%
68	13.598	1818	1821	1827	rVB	171726	237270	1.86%	0.237%
69	13.710	1836	1840	1846	rVB3	54851	86834	0.68%	0.087%
70	13.816	1852	1858	1873	rBV	3676846	5265475	41.35%	5.250%
71	13.957	1877	1882	1889	rBV	126008	201167	1.58%	0.201%

LSC Area Percent Report

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Data File : BM024099.D
Acq On : 13 Dec 2019 19:36
Operator : JU
Sample : K6167-02
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BFR90

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0.1 % 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\SOM-EPA-BM112719MA.M
Title : SVOA CALIBRATION

72	14.127	1904	1911	1918	rBV2	2649178	3876913	30.45%	3.865%
73	14.215	1922	1926	1933	rBV	186219	325009	2.55%	0.324%
74	14.386	1950	1955	1962	rBV	204537	429079	3.37%	0.428%
75	14.451	1962	1966	1973	rVB	114101	191552	1.50%	0.191%
76	14.680	2001	2005	2011	rBV6	54052	89110	0.70%	0.089%
77	14.898	2036	2042	2050	rBV2	205103	404932	3.18%	0.404%
78	14.980	2053	2056	2059	rVB	42688	52918	0.42%	0.053%
79	15.133	2075	2082	2089	rBV	4498686	6675697	52.43%	6.656%
80	15.274	2101	2106	2116	rBV	1437421	2110738	16.58%	2.104%
81	15.368	2119	2122	2124	rVV2	57336	85896	0.67%	0.086%
82	15.404	2125	2128	2135	rVB2	112528	178240	1.40%	0.178%
83	15.527	2143	2149	2159	rVB	2196469	2945099	23.13%	2.936%
84	15.657	2167	2171	2175	rVB3	45383	72845	0.57%	0.073%
85	15.721	2178	2182	2187	rVB	134287	164719	1.29%	0.164%
86	15.774	2187	2191	2193	rBV	54444	66529	0.52%	0.066%
87	15.845	2200	2203	2207	rBV5	31705	42980	0.34%	0.043%
88	15.992	2224	2228	2232	rBV4	36612	57949	0.46%	0.058%
89	16.674	2341	2344	2346	rVB3	33105	32127	0.25%	0.032%
90	16.886	2374	2380	2390	rBV	3097376	4460981	35.03%	4.448%
91	16.980	2390	2396	2406	rBV2	5042114	7074868	55.56%	7.054%
92	17.221	2434	2437	2441	rVB3	51445	64789	0.51%	0.065%
93	17.809	2532	2537	2545	rBV2	437650	754487	5.93%	0.752%
94	18.921	2723	2726	2729	rBV	64278	79008	0.62%	0.079%
95	19.103	2754	2757	2763	rBV5	98220	146870	1.15%	0.146%
96	19.292	2783	2789	2795	rBV	5745366	7903919	62.07%	7.880%
97	20.833	3047	3051	3057	rBV	1162980	1420204	11.15%	1.416%
98	21.092	3090	3095	3103	rBV	3929877	5029589	39.50%	5.014%
99	23.097	3430	3436	3442	rBV	4858107	8331044	65.42%	8.306%
100	23.233	3453	3459	3467	rVB	2918806	5288387	41.53%	5.273%

Sum of corrected areas: 100300944

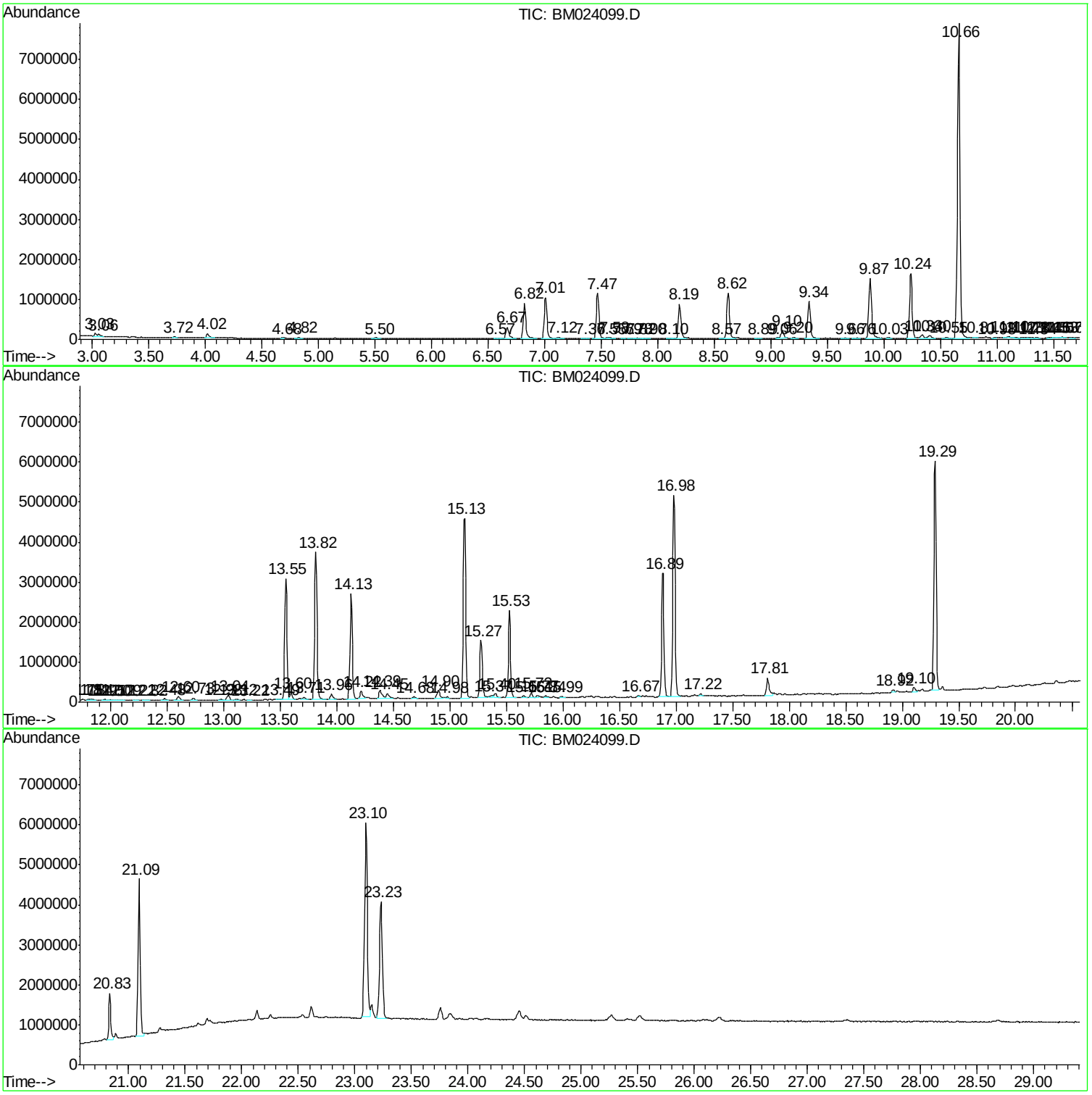
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM121219\
Data File : BM024099.D
Acq On : 13 Dec 2019 19:36
Operator : JU
Sample : K6167-02
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BFR90

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM112719MA.M
Quant Title : SVOA CALIBRATION

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



Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM121219\
Data File : BM024099.D
Acq On : 13 Dec 2019 19:36
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Instrument : BNA_M
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Quant Title : SVOA CALIBRATION

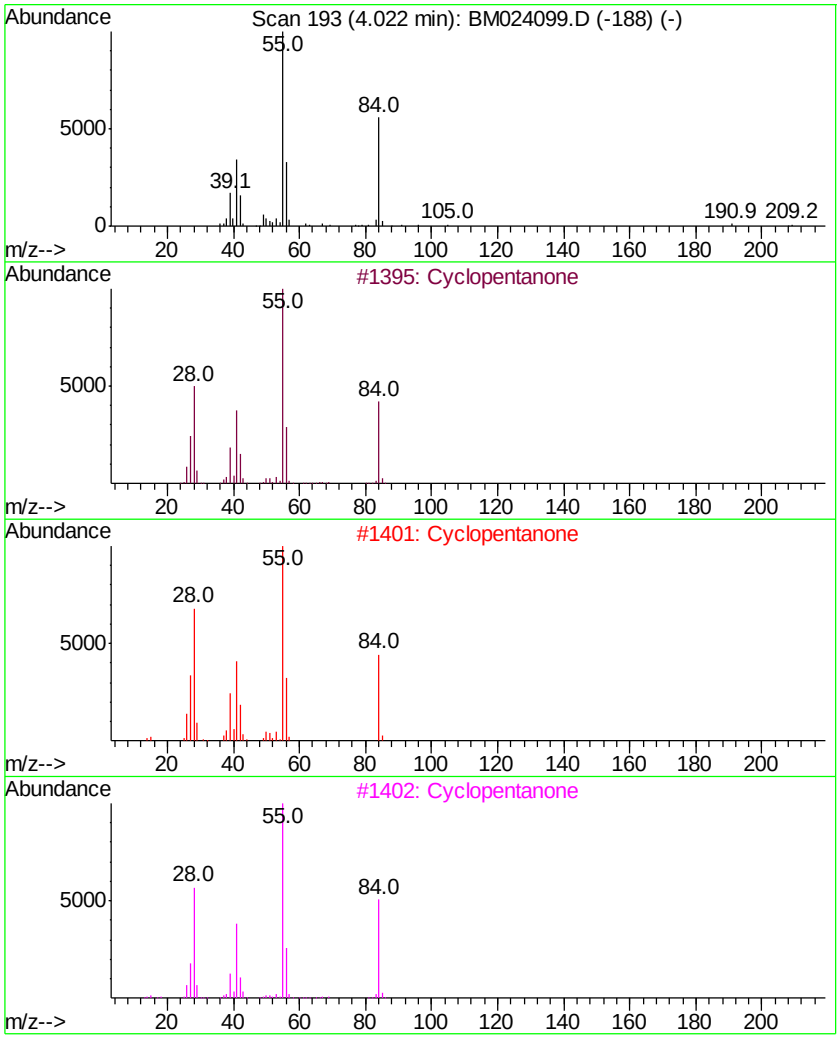
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

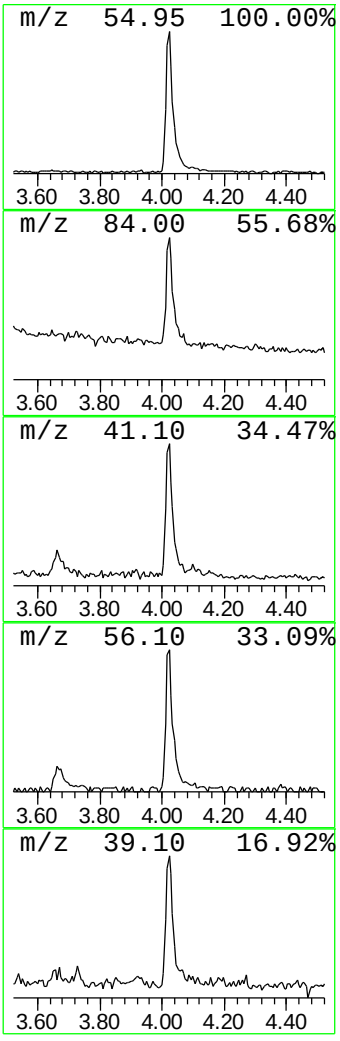
****

Peak Number 1 Cyclopentanone Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.02	2.13 ng/ul	193481	1,4-Dichlorobenzene-d4	7.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentanone	84	C5H8O	000120-92-3	87
2	Cyclopentanone	84	C5H8O	000120-92-3	86
3	Cyclopentanone	84	C5H8O	000120-92-3	80
4	Pyridine-D5-	84	C5D5N	007291-22-7	50
5	Cyclohexane	84	C6H12	000110-82-7	50





Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM121219\
Data File : BM024099.D
Acq On : 13 Dec 2019 19:36
Operator : JU
Sample : K6167-02
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BFR90

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM112719MA.M
Quant Title : SVOA CALIBRATION

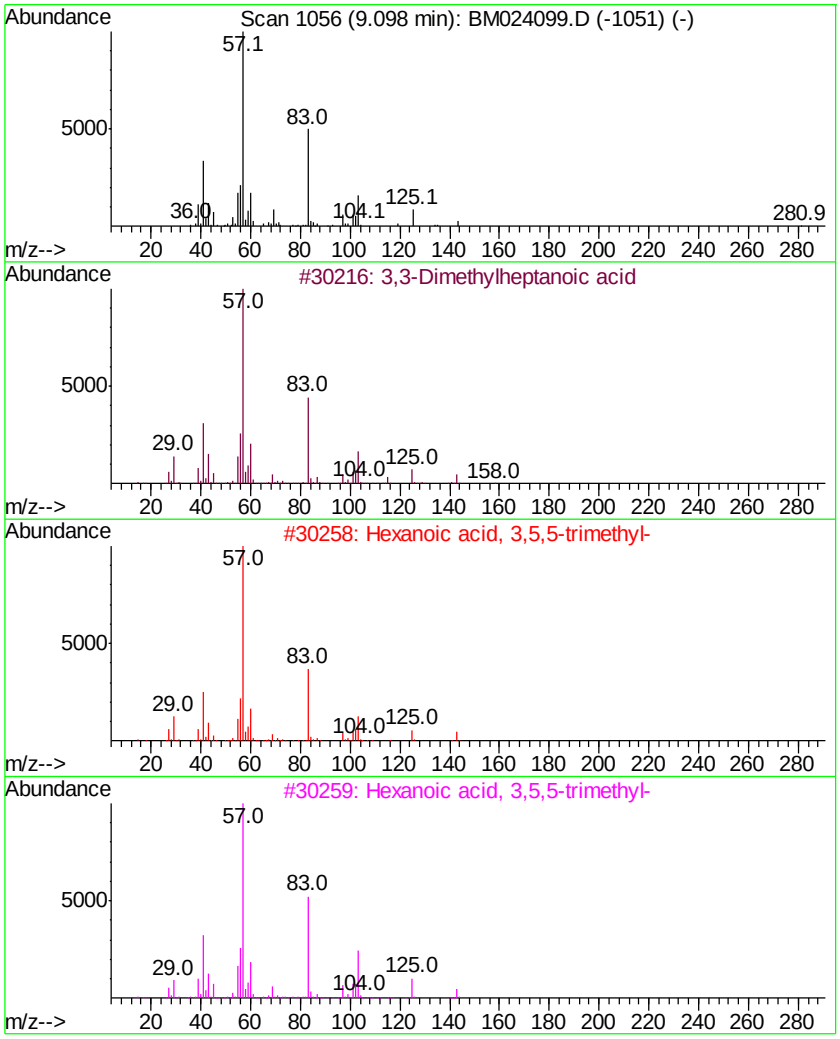
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

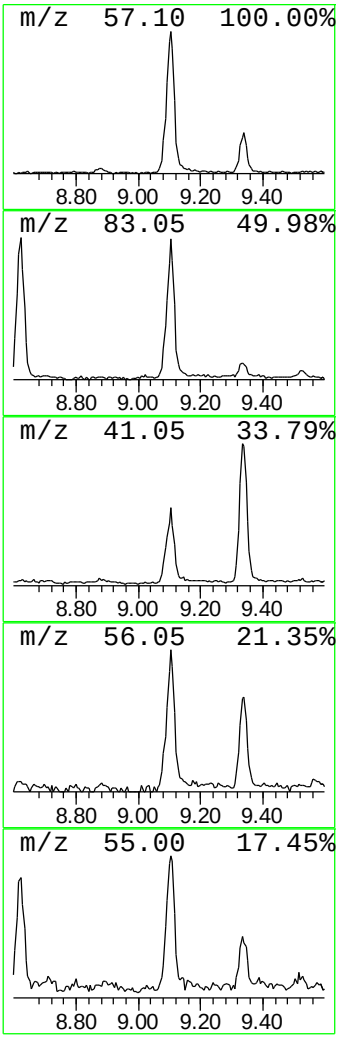
****

Peak Number 2 3,3-Dimethylheptanoic acid Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.10	2.47 ng/ul	334142	Naphthalene-d8	10.24

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3,3-Dimethylheptanoic acid	158	C9H18O2	067061-30-7	90
2	Hexanoic acid, 3,5,5-trimethyl-	158	C9H18O2	003302-10-1	80
3	Hexanoic acid, 3,5,5-trimethyl-	158	C9H18O2	003302-10-1	78
4	Hexanoic acid, 3,5,5-trimethyl-	158	C9H18O2	003302-10-1	72
5	Hexanoic acid, 3,5,5-trimethyl-	158	C9H18O2	003302-10-1	47





Library Search Compound Report

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Instrument : BNA_M
ClientSampleId : BFR90

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM112719MA.M
Quant Title : SVOA CALIBRATION

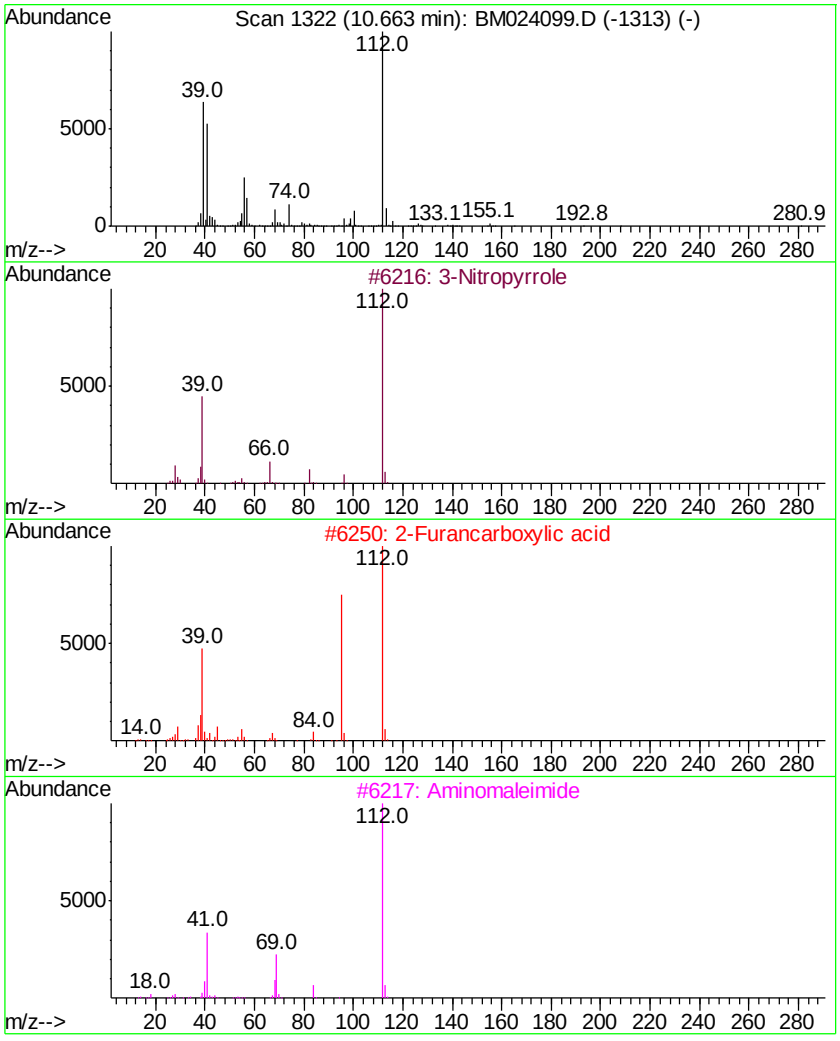
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

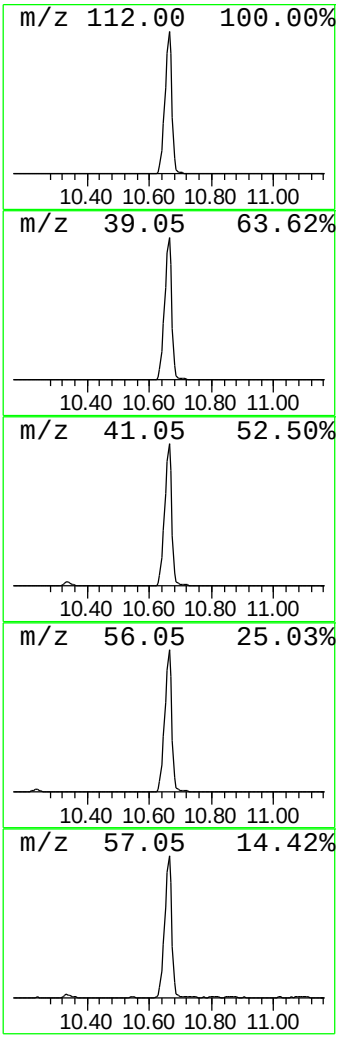
****

Peak Number 3 3-Nitropyrrole Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.66	93.96 ng/ul	12733800	Naphthalene-d8	10.24

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Nitropyrrole	112	C4H4N2O2	005930-94-9	53
2	2-Furancarboxylic acid	112	C5H4O3	000088-14-2	53
3	Aminomaleimide	112	C4H4N2O2	037770-94-8	38
4	Phenol, 4-fluoro-	112	C6H5FO	000371-41-5	37
5	Emimycin	112	C4H4N2O2	003735-46-4	35





Library Search Compound Report

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Data File : BM024099.D
Acq On : 13 Dec 2019 19:36
Operator : JU
Sample : K6167-02
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BFR90

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM112719MA.M
Quant Title : SVOA CALIBRATION

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

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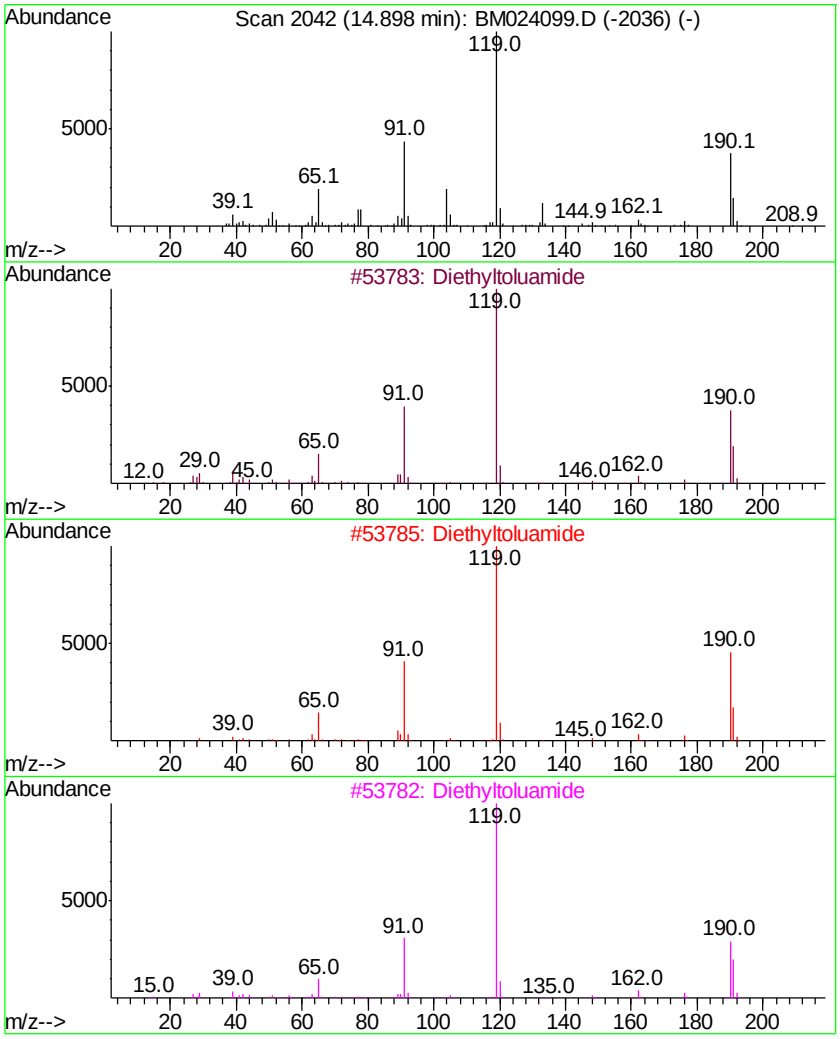
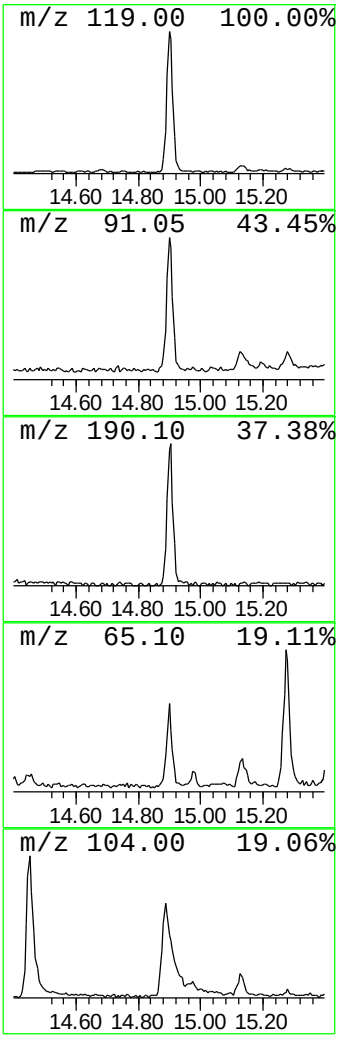
Peak Number 4 Diethyltoluamide Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.90	2.09 ng/ul	404932	Acenaphthene-d10	14.13

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Diethyltoluamide	191	C12H17NO	000134-62-3	96
2	Diethyltoluamide	191	C12H17NO	000134-62-3	94
3	Diethyltoluamide	191	C12H17NO	000134-62-3	74
4	Benzamide, N,N-diethyl-4-methyl-	191	C12H17NO	002728-05-4	64
5	L-Valine, N-(4-methylbenzoyl)-, ...	277	C16H23NO3	1000346-63-8	53





Library Search Compound Report

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Data File : BM024099.D
Acq On : 13 Dec 2019 19:36
Operator : JU
Sample : K6167-02
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BFR90

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM112719MA.M
Quant Title : SVOA CALIBRATION

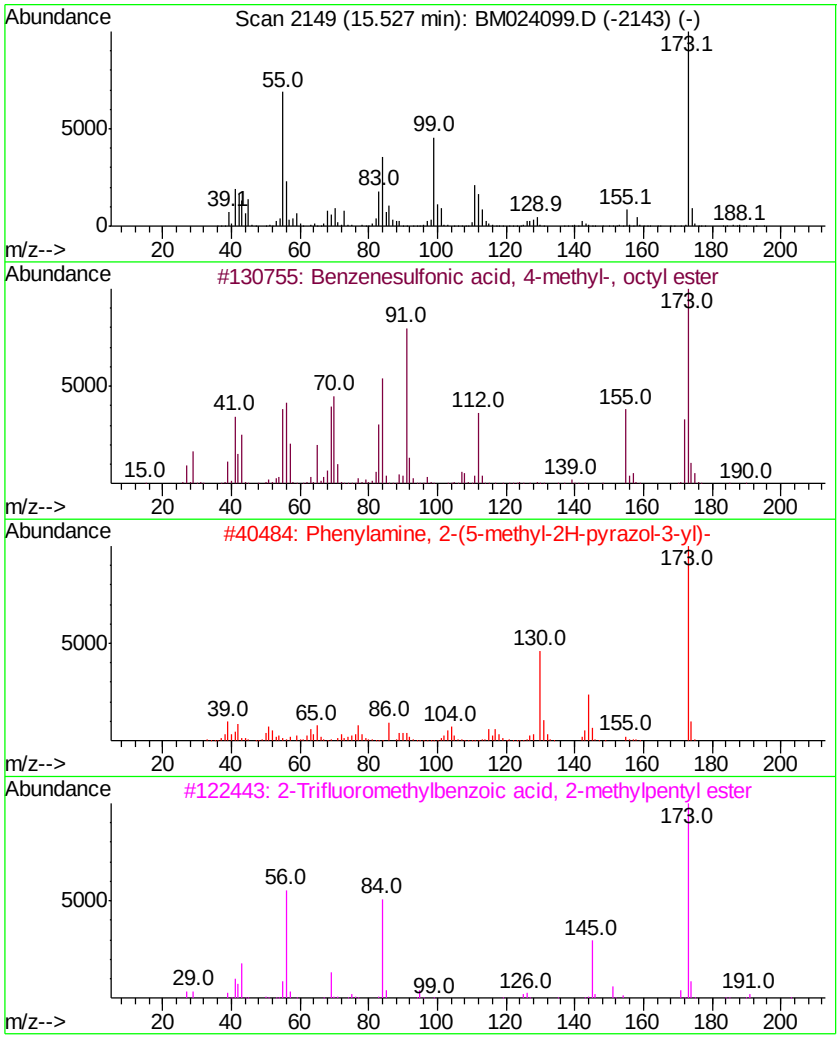
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

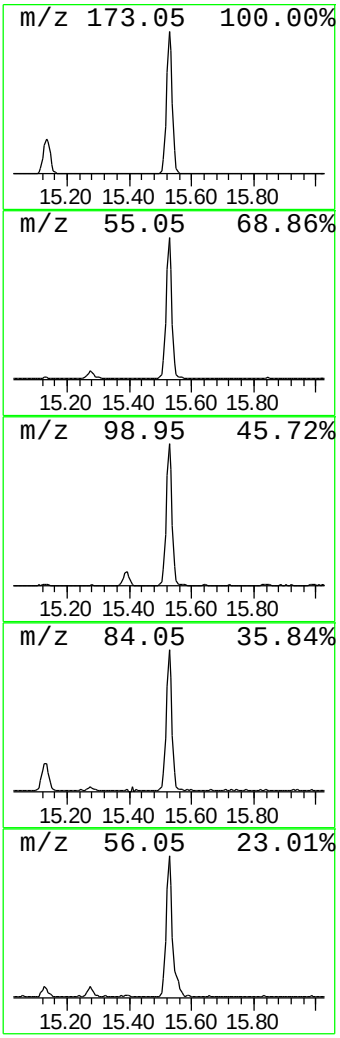
****

Peak Number 5 unknown-01 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.53	13.20 ng/ul	2945100	Phenanthrene-d10	16.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzenesulfonic acid, 4-methyl-,...	284	C15H24O3S	003386-35-4	13
2	Phenylamine, 2-(5-methyl-2H-pyra...	173	C10H11N3	1000309-95-3	12
3	2-Trifluoromethylbenzoic acid, 2...	274	C14H17F3O2	1000355-15-4	12
4	2-Trifluoromethylbenzoic acid, 2...	300	C16H19F3O2	1000282-64-9	12
5	2,6-Difluoro-3-methylbenzoic aci...	270	C15H20F2O2	1000338-84-4	12





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Acq On : 13 Dec 2019 19:36
Operator : JU
Sample : K6167-02
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BFR90

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Quant Title : SVOA CALIBRATION

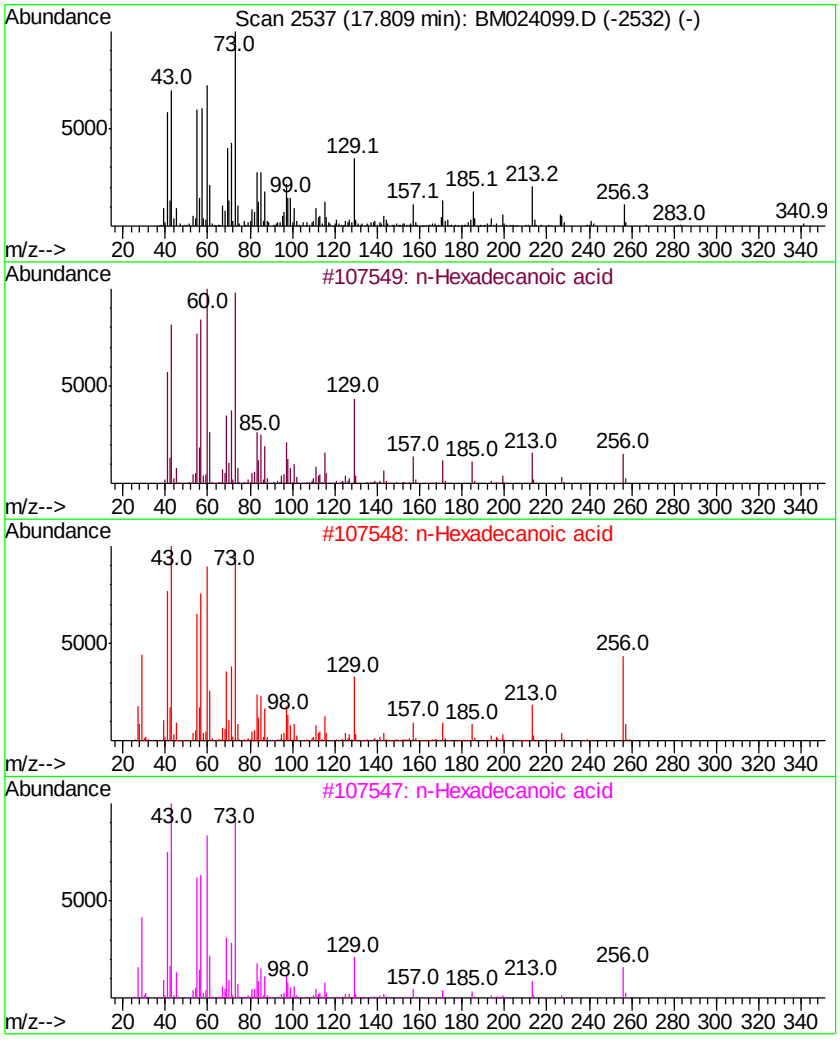
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

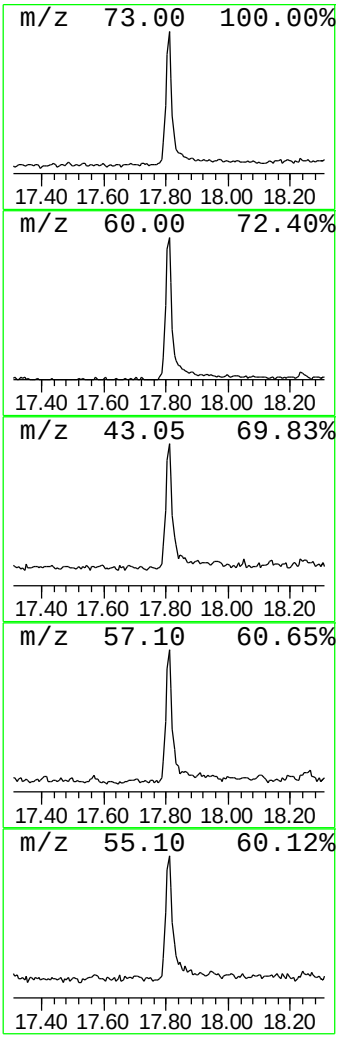
****

Peak Number 6 n-Hexadecanoic acid Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.81	3.38 ng/ul	754487	Phenanthrene-d10	16.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	98
2	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	98
3	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	95
4	Pentadecanoic acid	242	C15H30O2	001002-84-2	90
5	Pentadecanoic acid	242	C15H30O2	001002-84-2	81





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Data File : BM024099.D
Acq On : 13 Dec 2019 19:36
Operator : JU
Sample : K6167-02
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BFR90

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM112719MA.M
Quant Title : SVOA CALIBRATION

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

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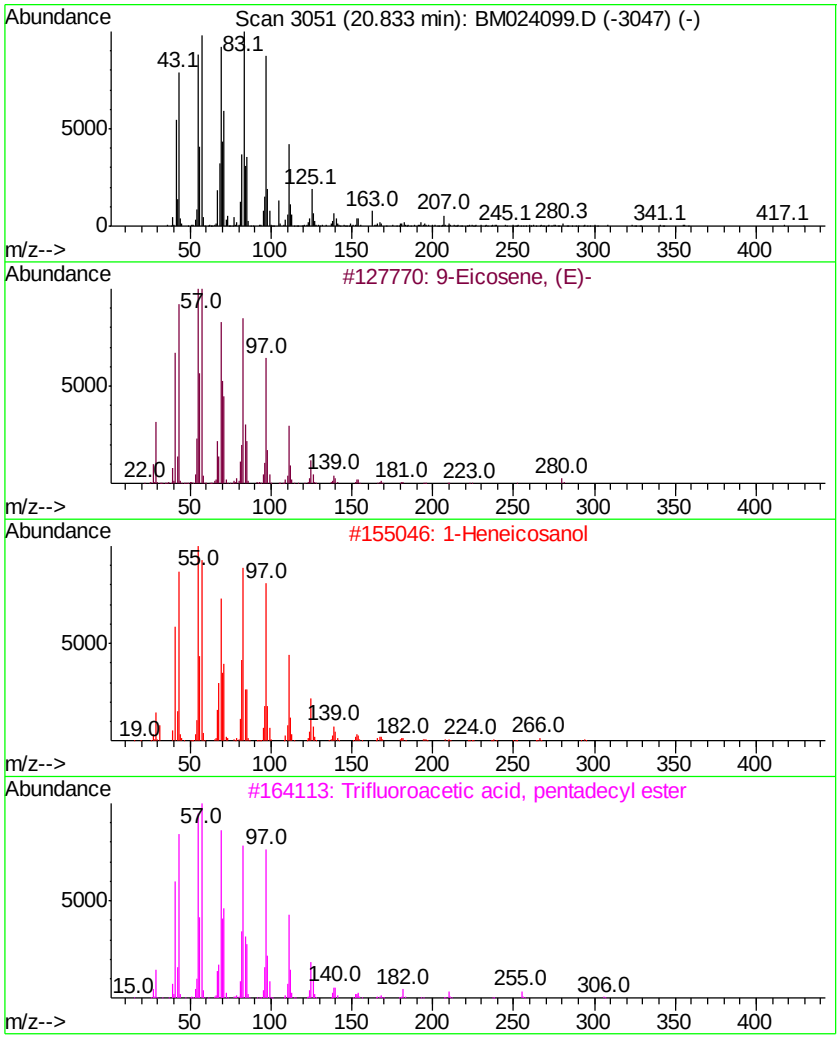
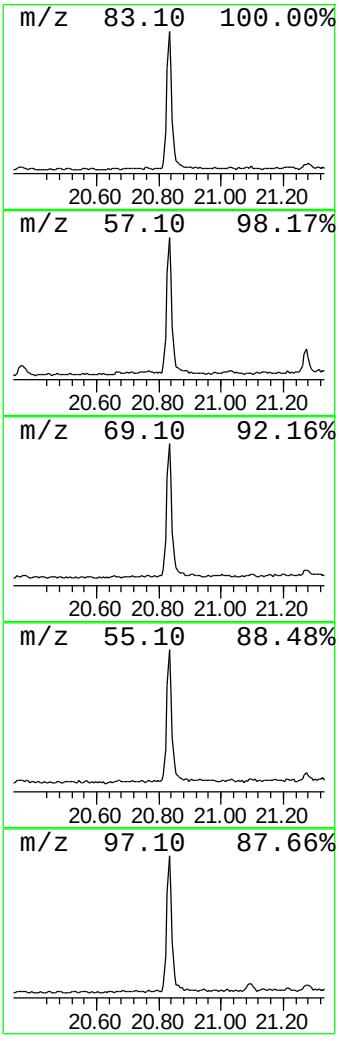
Peak Number 7 (DEL) Alkane: Cyclic20.83 Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.83	5.65 ng/ul	1420200	Chrysene-d12	21.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9-Eicosene, (E)-	280	C20H40	074685-29-3	95
2	1-Heneicosanol	312	C21H44O	015594-90-8	95
3	Trifluoroacetic acid, pentadecyl...	324	C17H31F3O2	959010-23-2	94
4	n-Nonadecanol-1	284	C19H40O	001454-84-8	94
5	Cetene	224	C16H32	000629-73-2	93





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM121219\
Data File : BM024099.D
Acq On : 13 Dec 2019 19:36
Operator : JU
Sample : K6167-02
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BFR90

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM112719MA.M
Quant Title : SVOA CALIBRATION

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

					Internal Standard		
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Cyclopentanone	4.02	2.1	ng/ul	193481	1	7.47	1819850	20.0
3,3-Dimethylhepta...	9.10	2.5	ng/ul	334142	2	10.24	2710490	20.0
3-Nitropyrrole	10.66	94.0	ng/ul	12733800	2	10.24	2710490	20.0
Diethyltoluamide	14.90	2.1	ng/ul	404932	3	14.13	3876910	20.0
unknown-01	15.53	13.2	ng/ul	2945100	4	16.89	4460980	20.0
n-Hexadecanoic acid	17.81	3.4	ng/ul	754487	4	16.89	4460980	20.0
(DEL) Alkane: Cyc...	20.83	5.7	ng/ul	1420200	5	21.09	5029590	20.0