LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM122719\
Data File : BM024330.D
Acq On : 27 Dec 2019 17:17
Operator : JU
Sample : K6280-09
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BFF21

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-BM121719MA.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	2.987	14	17	27	rVB	61216	101974	1.59%	0.163%
2	3.687	130	136	139	rVB5	10359	17803	0.28%	0.028%
3	5.011	358	361	365	rVB5	7116	9421	0.15%	0.015%
4	5.511	441	446	448	rBV5	5811	8025	0.12%	0.013%
5	5.587	455	459	462	rBV5	8733	15060	0.23%	0.024%
6	6.334	582	586	595	rBV8	6810	16643	0.26%	0.027%
7	6.622	629	635	647	rVV2	190317	378832	5.89%	0.605%
8	6.769	654	660	675	rBV	673780	1115318	17.34%	1.780%
9	6.957	685	692	705	rBV	726766	1247181	19.39%	1.990%
10	7.416	762	770	778	rBV	852721	1392153	21.64%	2.222%
11	7.499	778	784	791	rVB3	56937	118209	1.84%	0.189%
12	7.704	815	819	824	rVB6	4409	6439	0.10%	0.010%
13	8.004	867	870	874	rBV5	4214	6802	0.11%	0.011%
14	8.140	887	893	903	rBV	540729	974581	15.15%	1.555%
15	8.251	908	912	920	rVV	29733	51012	0.79%	0.081%
16	8.510	948	956	961	rBV	123307	220514	3.43%	0.352%
17	8.569	961	966	975	rVV	826350	1409344	21.91%	2.249%
18	8.640	975	978	987	rVV2	31219	75916	1.18%	0.121%
19	8.722	987	992	1008	rVB5	29268	75305	1.17%	0.120%
20	8.998	1034	1039	1043	rBV2	14848	24132	0.38%	0.039%
21	9.034	1043	1045	1049	rVV4	10395	16053	0.25%	0.026%
22	9.063	1049	1050	1056	rVV5	5976	8243	0.13%	0.013%
23	9.140	1059	1063	1069	rVB9	5441	9364	0.15%	0.015%
24	9.287	1080	1088	1105	rBV	688383	1202792	18.70%	1.920%
25	9.528	1124	1129	1130	rVV5	6851	9068	0.14%	0.014%
26	9.581	1133	1138	1139	rVV4	8578	13727	0.21%	0.022%
27	9.598	1139	1141	1144	rVV3	7805	8774	0.14%	0.014%
28	9.822	1172	1179	1193	rBV	880596	1673756	26.02%	2.671%
29	9.916	1193	1195	1200	rVV6	10549	15986	0.25%	0.026%
30	9.981	1201	1206	1212	rVB8	13625	27379	0.43%	0.044%
31	10.122	1224	1230	1234	rBV2	57548	111895	1.74%	0.179%
32	10.181	1234	1240	1249	rVV	1216743	2016974	31.35%	3.219%
33	10.251	1249	1252	1259	rVB5	17730	31179	0.48%	0.050%
34	10.357	1264	1270	1278	rBV2	42599	85706	1.33%	0.137%

LSC Area Percent Report

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Operator : JU
Sample : K6280-09
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BFF21

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-BM121719MA.M
Title : SVOA CALIBRATION

35	10.851	1348	1354	1367	rVB2	56245	121622	1.89%	0.194%
36	11.028	1381	1384	1390	rBV8	10579	18055	0.28%	0.029%
37	11.381	1439	1444	1448	rBV7	9561	14194	0.22%	0.023%
38	11.516	1459	1467	1477	rBV	114421	237548	3.69%	0.379%
39	11.740	1497	1505	1508	rBV7	6488	12244	0.19%	0.020%
40	11.792	1508	1514	1522	rVV3	19308	44931	0.70%	0.072%
41	11.969	1541	1544	1548	rVB5	5363	8586	0.13%	0.014%
42	12.357	1605	1610	1615	rBV7	11809	24889	0.39%	0.040%
43	12.416	1615	1620	1629	rVV	105070	178451	2.77%	0.285%
44	12.681	1658	1665	1672	rBV	206141	308682	4.80%	0.493%
45	12.857	1693	1695	1701	rBV7	4560	7339	0.11%	0.012%
46	12.910	1701	1704	1708	rBV4	5322	11183	0.17%	0.018%
47	12.992	1712	1718	1720	rBV2	29411	47434	0.74%	0.076%
48	13.028	1720	1724	1733	rVB3	43537	87821	1.37%	0.140%
49	13.422	1786	1791	1796	rBV2	23725	33646	0.52%	0.054%
50	13.504	1798	1805	1811	rVV	2071363	2867214	44.57%	4.576%
51	13.551	1811	1813	1822	rVV	93416	128700	2.00%	0.205%
52	13.628	1822	1826	1829	rVB5	6891	8478	0.13%	0.014%
53	13.769	1840	1850	1860	rBV	2238038	3302993	51.34%	5.271%
54	13.957	1875	1882	1896	rBV4	78205	266533	4.14%	0.425%
55	14.081	1896	1903	1918	rVB	1828158	2731089	42.45%	4.359%
56	14.357	1945	1950	1965	rBV3	104355	295913	4.60%	0.472%
57	14.510	1972	1976	1979	rBV5	4695	9121	0.14%	0.015%
58	14.539	1979	1981	1987	rVB7	9705	13607	0.21%	0.022%
59	14.780	2017	2022	2029	rVB3	37222	71912	1.12%	0.115%
60	14.857	2032	2035	2039	rVV	33672	46567	0.72%	0.074%
61	14.910	2039	2044	2052	rVV2	157122	260082	4.04%	0.415%
62	15.086	2067	2074	2087	rVB	2980494	4320160	67.16%	6.894%
63	15.239	2094	2100	2111	rBV	964607	1471452	22.87%	2.348%
64	15.328	2111	2115	2120	rVB	37013	62506	0.97%	0.100%
65	15.463	2133	2138	2145	rVV2	41143	65761	1.02%	0.105%
66	15.522	2145	2148	2153	rVB6	4735	7201	0.11%	0.011%
67	15.716	2177	2181	2186	rVB7	6243	11688	0.18%	0.019%
68	15.833	2196	2201	2204	rBV5	6922	9392	0.15%	0.015%
69	15.863	2204	2206	2212	rVB4	12829	17840	0.28%	0.028%
70	16.004	2224	2230	2233	rBV8	4946	9997	0.16%	0.016%
71	16.633	2333	2337	2343	rVB2	15149	23445	0.36%	0.037%

LSC Area Percent Report

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Sample : K6280-09
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BFF21

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
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Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM121719MA.M
Title : SVOA CALIBRATION

72	16.733	2348	2354	2357	rVB6	4116	6861	0.11%	0.011%
73	16.839	2365	2372	2382	rBV	2281069	3151390	48.99%	5.029%
74	16.939	2382	2389	2404	rVV	3570765	5150233	80.06%	8.219%
75	17.151	2420	2425	2429	rBV	21481	27120	0.42%	0.043%
76	17.439	2471	2474	2477	rBV5	6977	9278	0.14%	0.015%
77	17.527	2484	2489	2493	rBV	348608	451214	7.01%	0.720%
78	17.710	2515	2520	2524	rVB4	25744	36183	0.56%	0.058%
79	17.763	2525	2529	2536	rBV	154573	233129	3.62%	0.372%
80	17.833	2537	2541	2548	rVB2	25613	52854	0.82%	0.084%
81	17.974	2559	2565	2568	rBV	282455	404902	6.29%	0.646%
82	18.045	2573	2577	2583	rVB	103756	145536	2.26%	0.232%
83	18.268	2610	2615	2619	rBV	123479	157210	2.44%	0.251%
84	18.304	2619	2621	2624	rVB4	8051	7577	0.12%	0.012%
85	18.616	2671	2674	2678	rBV2	18742	22903	0.36%	0.037%
86	18.880	2716	2719	2724	rBV	32286	38318	0.60%	0.061%
87	19.063	2746	2750	2759	rBV2	69088	121368	1.89%	0.194%
88	19.133	2759	2762	2766	rVV	40613	45574	0.71%	0.073%
89	19.245	2776	2781	2794	rVB	4337071	6016455	93.52%	9.602%
90	20.792	3040	3044	3051	rBV	603805	801445	12.46%	1.279%
91	21.057	3084	3089	3098	rBV	2738212	3670767	57.06%	5.858%
92	21.233	3116	3119	3124	rBV	120836	138071	2.15%	0.220%
93	21.651	3187	3190	3197	rBV2	221647	320723	4.99%	0.512%
94	22.086	3261	3264	3270	rVB2	410641	501175	7.79%	0.800%
95	22.562	3341	3345	3351	rVB	422978	567600	8.82%	0.906%
96	23.045	3421	3427	3432	rBV	3737545	6433041	100.00%	10.266%
97	23.174	3443	3449	3464	rVB2	2150790	3888035	60.44%	6.205%
98	23.686	3532	3536	3542	rVB	373130	608253	9.46%	0.971%

Sum of corrected areas: 62661051

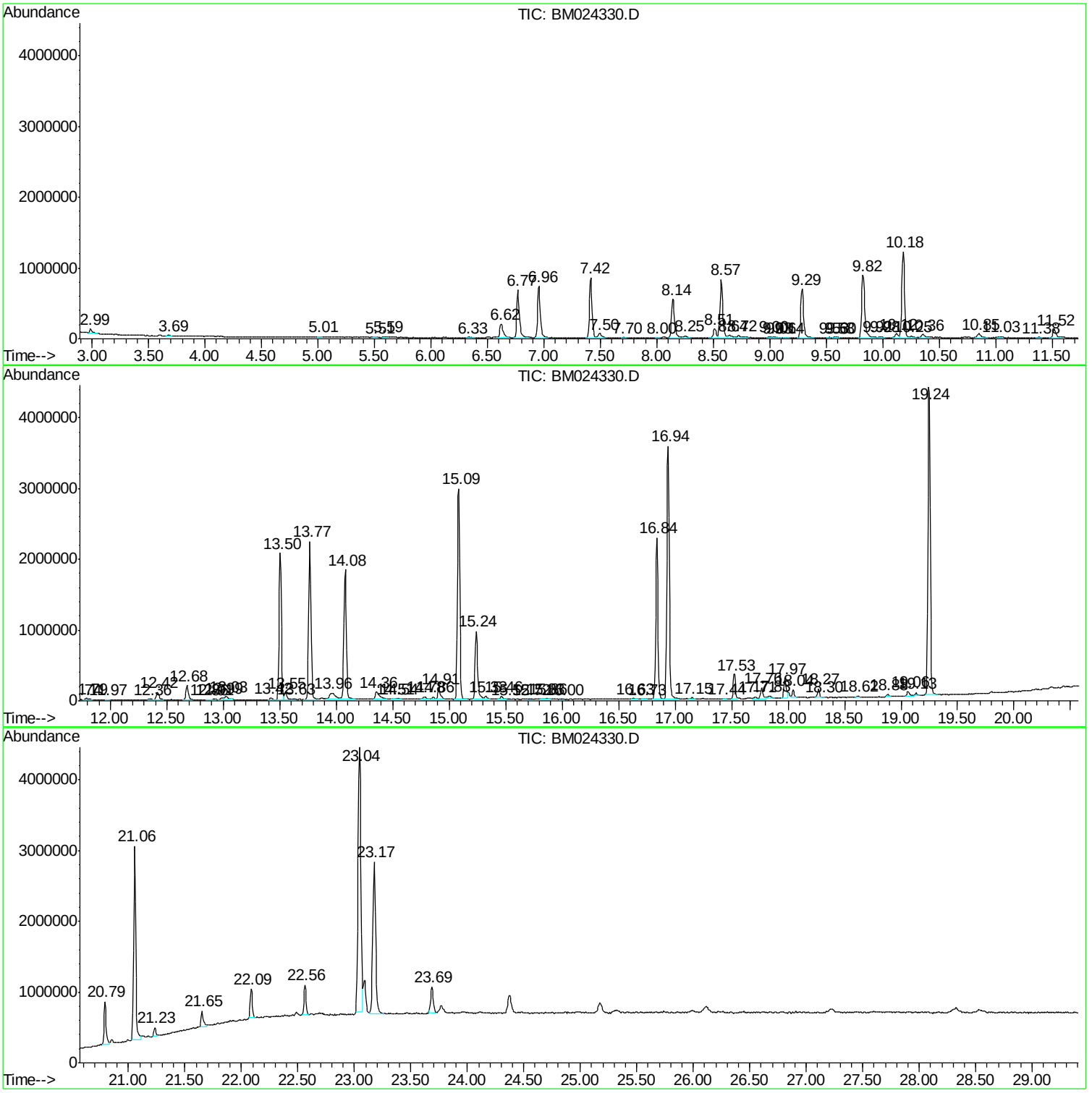
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM122719\
Data File : BM024330.D
Acq On : 27 Dec 2019 17:17
Operator : JU
Sample : K6280-09
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BFF21

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM121719MA.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\BM122719\
Data File : BM024330.D
Acq On : 27 Dec 2019 17:17
Operator : JU
Sample : K6280-09
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_M
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Quant Title : SVOA CALIBRATION

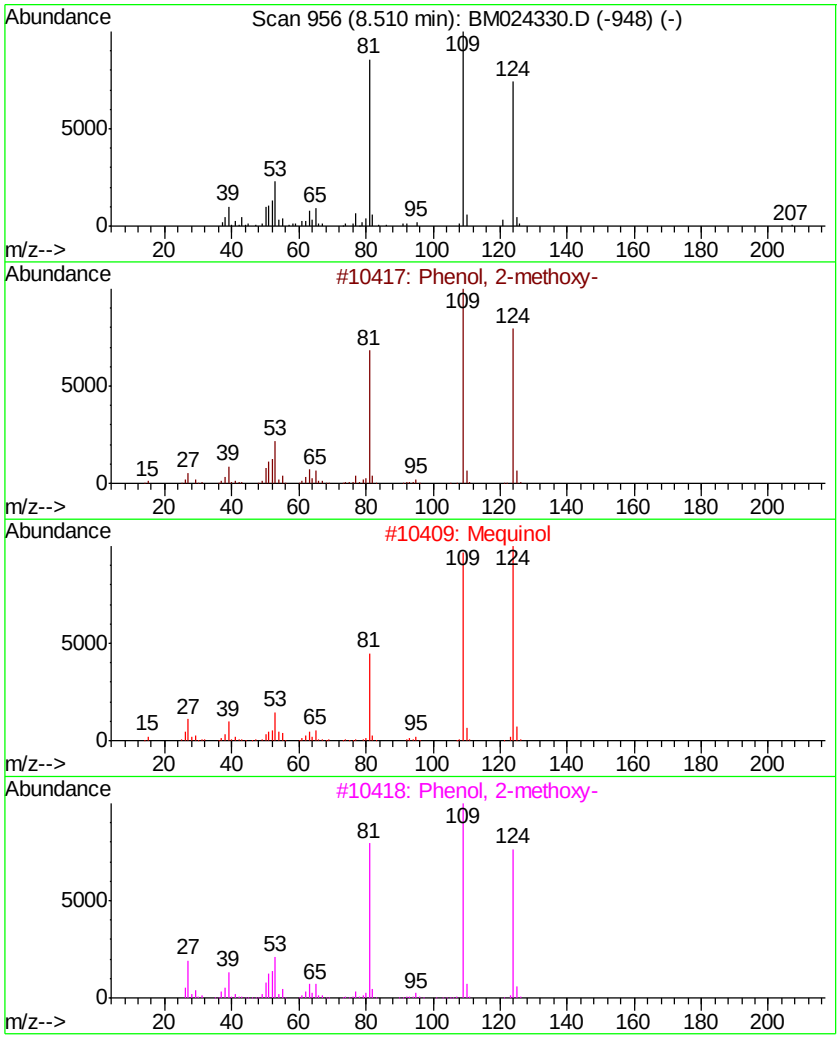
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

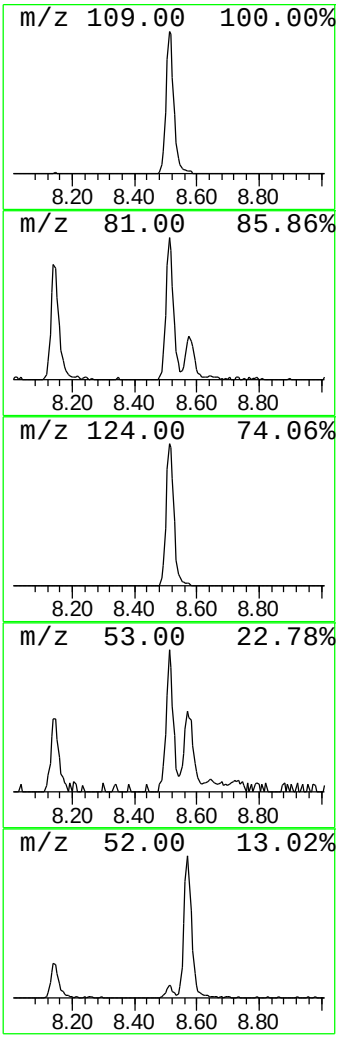
****

Peak Number 1 Phenol, 2-methoxy- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.51	3.17 ng/ul	220514	1,4-Dichlorobenzene-d4	7.42

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenol, 2-methoxy-	124	C7H8O2	000090-05-1	95
2	Mequinol	124	C7H8O2	000150-76-5	90
3	Phenol, 2-methoxy-	124	C7H8O2	000090-05-1	87
4	Phenol, 2-methoxy-	124	C7H8O2	000090-05-1	87
5	Phenol, 2-methoxy-	124	C7H8O2	000090-05-1	72





Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM122719\
Data File : BM024330.D
Acq On : 27 Dec 2019 17:17
Operator : JU
Sample : K6280-09
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BFF21

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM121719MA.M
Quant Title : SVOA CALIBRATION

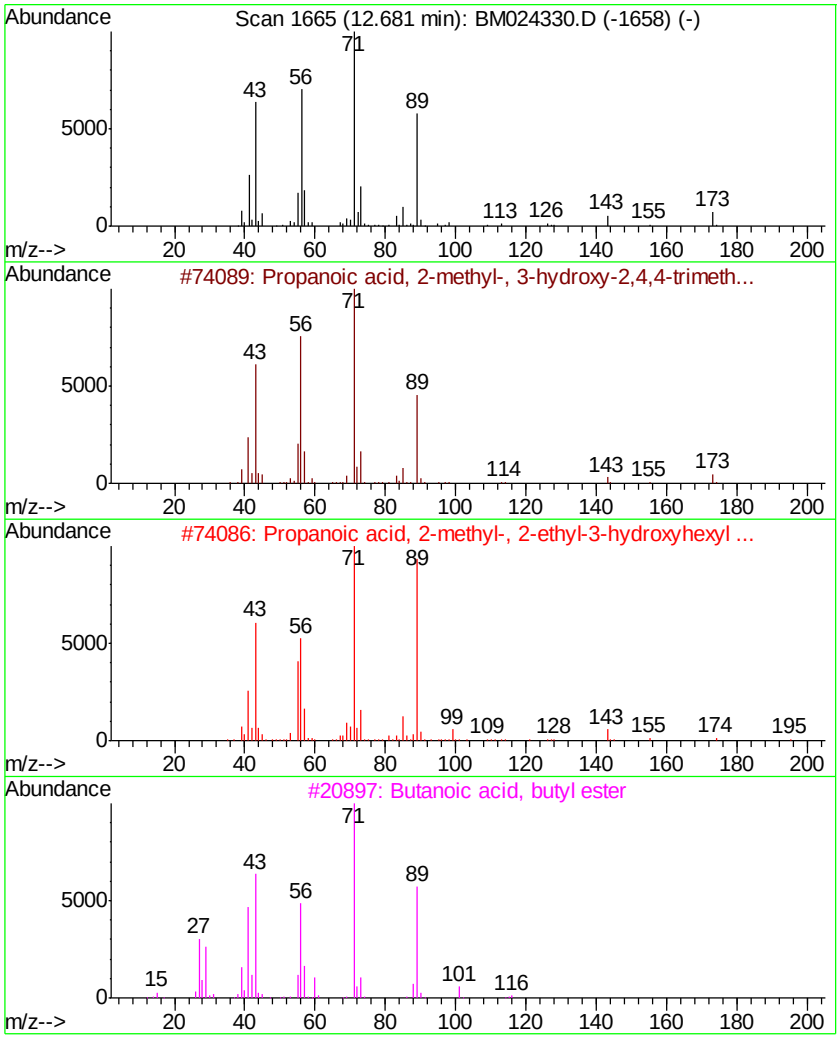
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

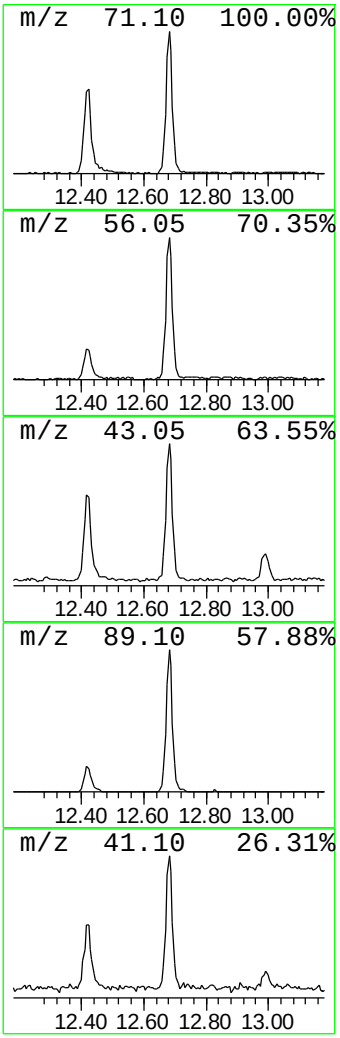
****

Peak Number 2 Propanoic acid, 2-methyl-, ... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.68	2.26 ng/ul	308682	Acenaphthene-d10	14.08

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Propanoic acid, 2-methyl-, 3-hyd...	216	C12H24O3	074367-34-3	91
2	Propanoic acid, 2-methyl-, 2-eth...	216	C12H24O3	074367-31-0	78
3	Butanoic acid, butyl ester	144	C8H16O2	000109-21-7	56
4	Butanoic acid, hexyl ester	172	C10H20O2	002639-63-6	50
5	Butanoic acid, hexyl ester	172	C10H20O2	002639-63-6	50





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Acq On : 27 Dec 2019 17:17
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Instrument : BNA_M
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM121719MA.M
Quant Title : SVOA CALIBRATION

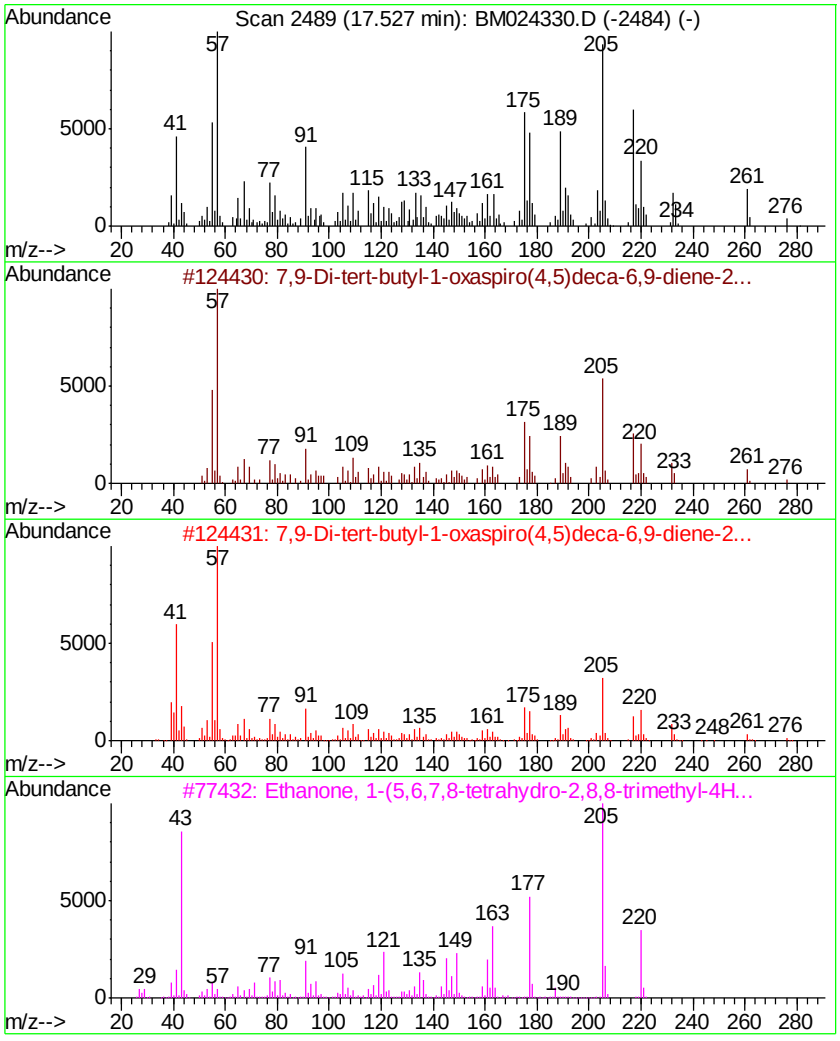
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

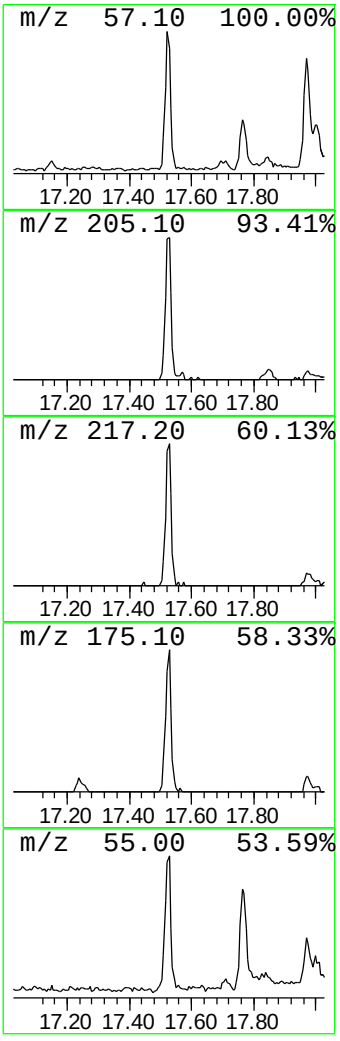
****

Peak Number 3 7,9-Di-tert-butyl-1-oxaspir... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.53	2.86 ng/ul	451214	Phenanthrene-d10	16.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	7,9-Di-tert-butyl-1-oxaspiro(4,5...	276	C17H24O3	082304-66-3	99
2	7,9-Di-tert-butyl-1-oxaspiro(4,5...	276	C17H24O3	082304-66-3	90
3	Ethanone, 1-(5,6,7,8-tetrahydro-...	220	C14H20O2	071596-88-8	46
4	Benzenethanol, O,.beta.,.beta.,2...	220	C15H24O	1000128-94-8	44
5	2,5-Cyclohexadien-1-one, 2,6-bis...	232	C16H24O	006738-27-8	42





Library Search Compound Report

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Data File : BM024330.D
Acq On : 27 Dec 2019 17:17
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Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BFF21

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM121719MA.M
Quant Title : SVOA CALIBRATION

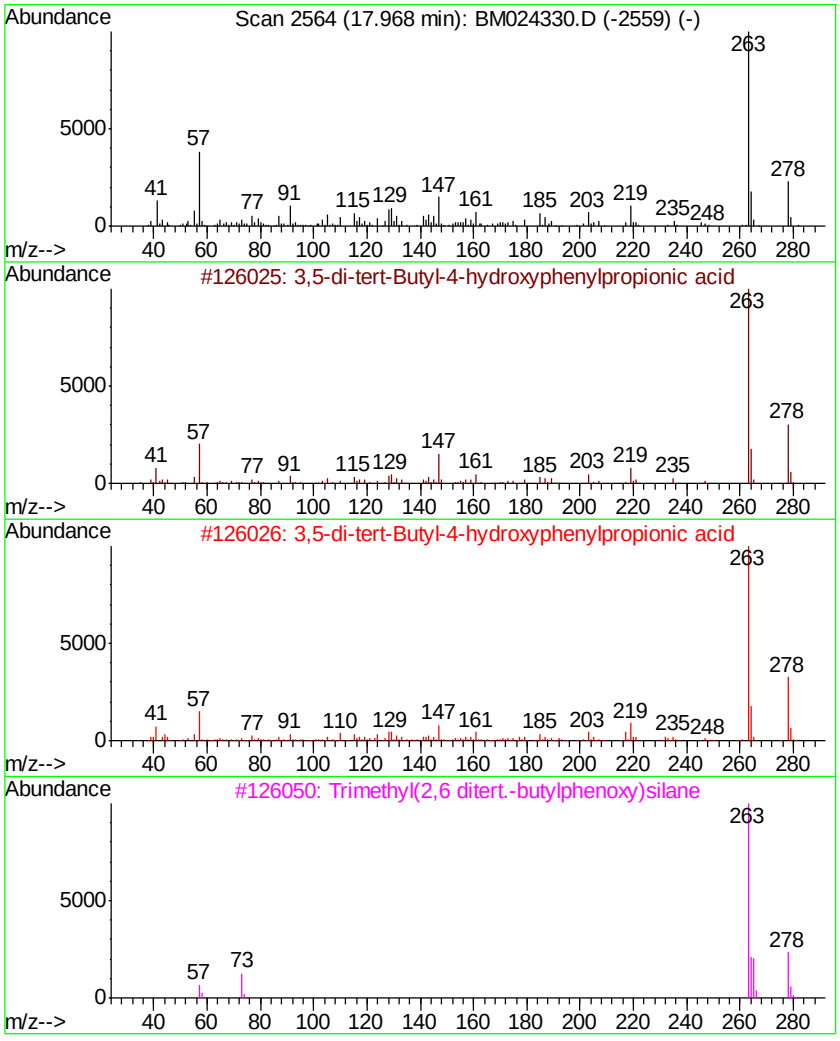
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

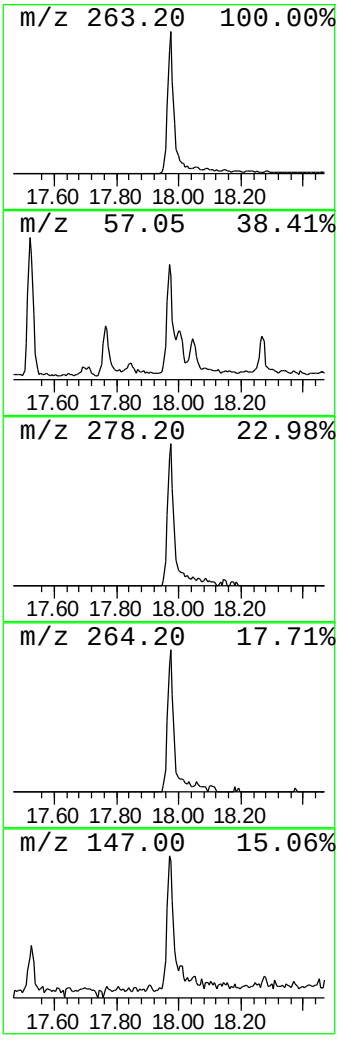
****

Peak Number 4 3,5-di-tert-Butyl-4-hydroxy... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.97	2.57 ng/ul	404902	Phenanthrene-d10	16.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3,5-di-tert-Butyl-4-hydroxyphenyl...	278	C17H26O3	020170-32-5	96
2	3,5-di-tert-Butyl-4-hydroxyphenyl...	278	C17H26O3	020170-32-5	70
3	Trimethyl(2,6 ditert.-butylpheno...	278	C17H30OSi	010416-73-6	59
4	2,2-Bis[4'-cyanooxyphenyl]propane	278	C17H14N2O2	1000322-13-3	59
5	Pentan-2-one, 4-(2-fluorenylimino)-	263	C18H17NO	050651-58-6	53





Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM122719\
Data File : BM024330.D
Acq On : 27 Dec 2019 17:17
Operator : JU
Sample : K6280-09
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BFF21

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM121719MA.M
Quant Title : SVOA CALIBRATION

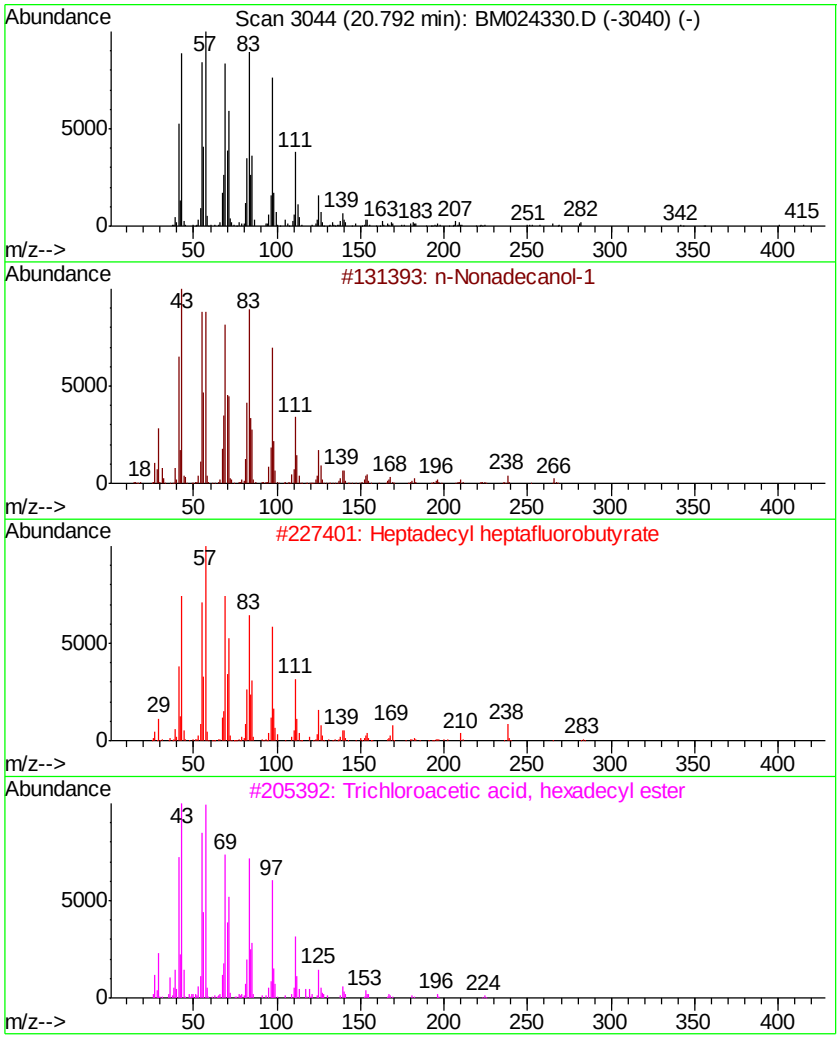
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

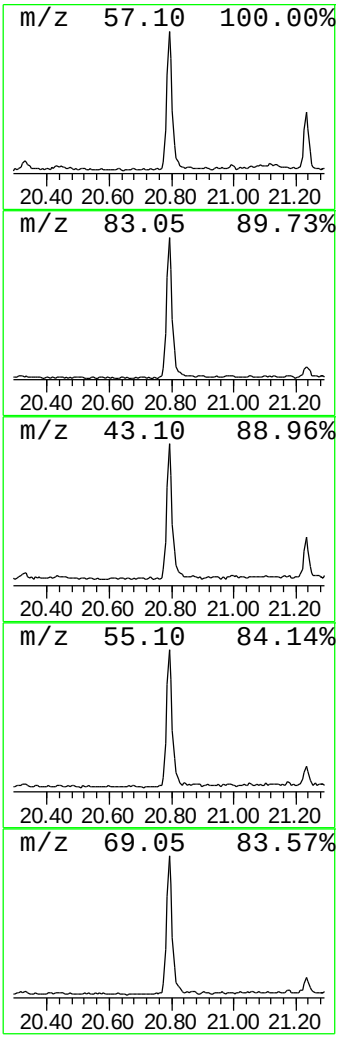
****

Peak Number 5 n-Nonadecanol-1 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.79	4.37 ng/ul	801445	Chrysene-d12	21.06

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Nonadecanol-1	284	C19H40O	001454-84-8	95
2	Heptadecyl heptafluorobutyrate	452	C21H35F7O2	959085-66-6	94
3	Trichloroacetic acid, hexadecyl ...	386	C18H33Cl3O2	074339-54-1	94
4	1-Heneicosyl formate	340	C22H44O2	077899-03-7	94
5	Dichloroacetic acid, heptadecyl ...	366	C19H36Cl2O2	1000282-98-2	94





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Acq On : 27 Dec 2019 17:17
Operator : JU
Sample : K6280-09
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BFF21

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM121719MA.M
Quant Title : SVOA CALIBRATION

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

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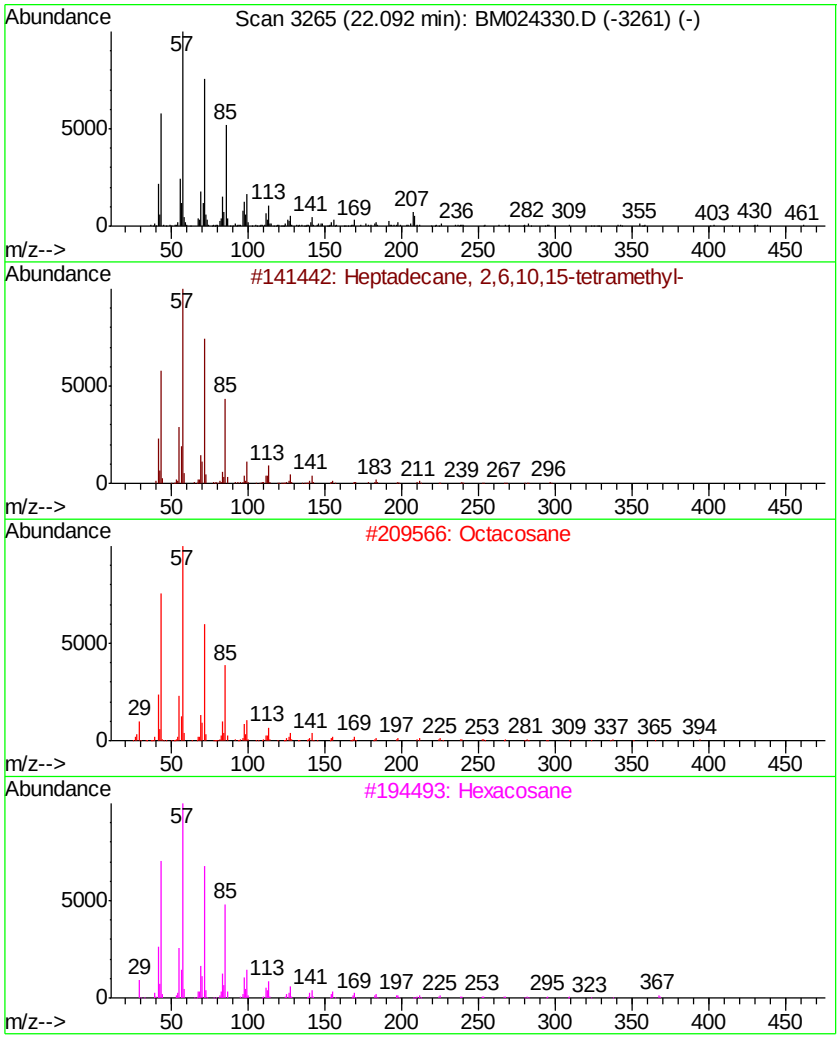
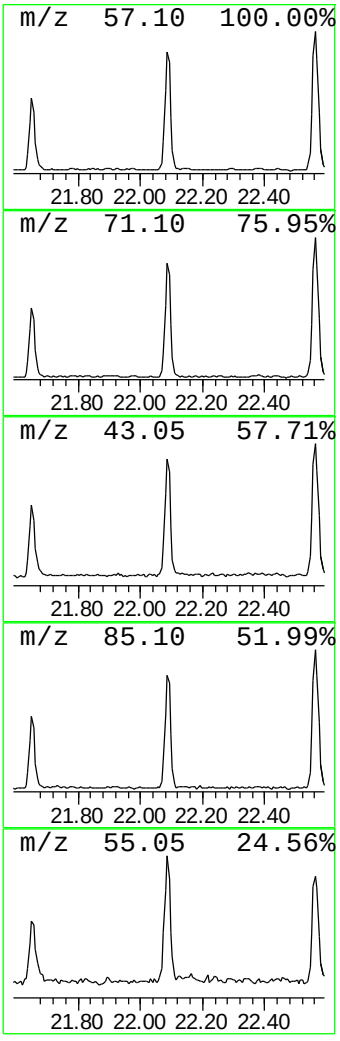
Peak Number 6 (DEL) Alkane: Straight-Chai... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.09	2.73 ng/ul	501175	Chrysene-d12	21.06

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptadecane, 2,6,10,15-tetramethyl-	296	C21H44	054833-48-6	91
2	Octacosane	394	C28H58	000630-02-4	87
3	Hexacosane	366	C26H54	000630-01-3	87
4	Nonadecane	268	C19H40	000629-92-5	83
5	Hexatriacontane	507	C36H74	000630-06-8	83





Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM122719\
Data File : BM024330.D
Acq On : 27 Dec 2019 17:17
Operator : JU
Sample : K6280-09
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BFF21

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM121719MA.M
Quant Title : SVOA CALIBRATION

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

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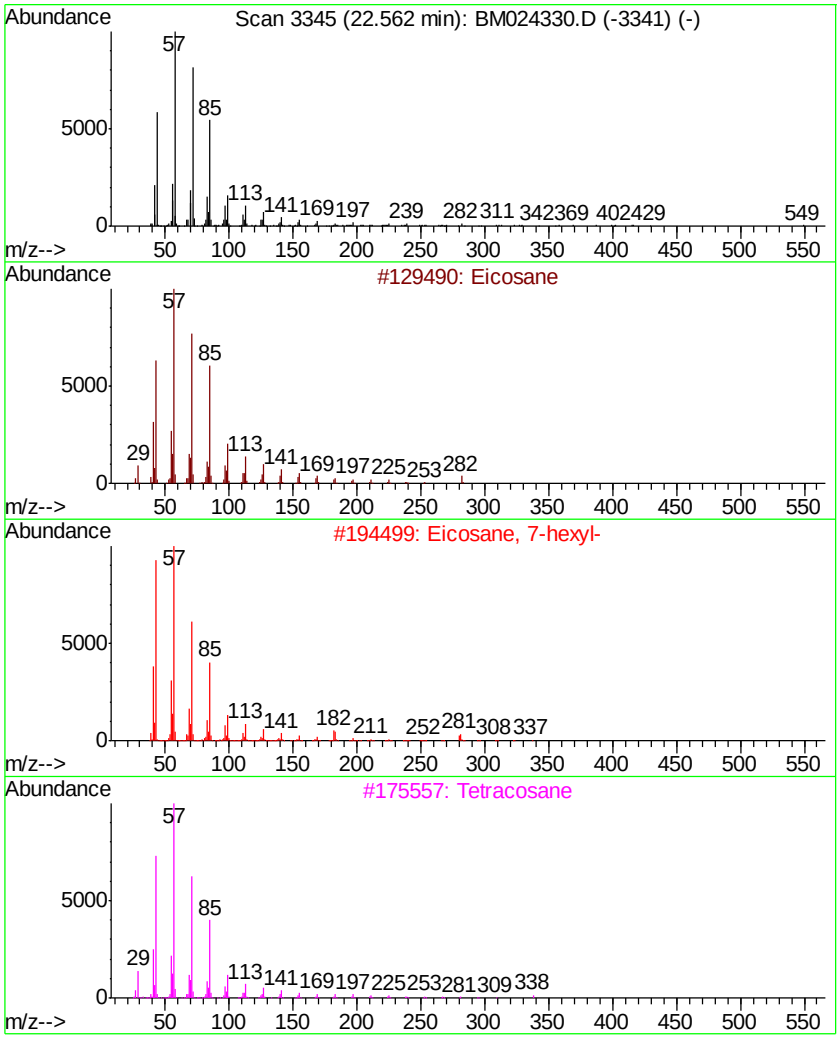
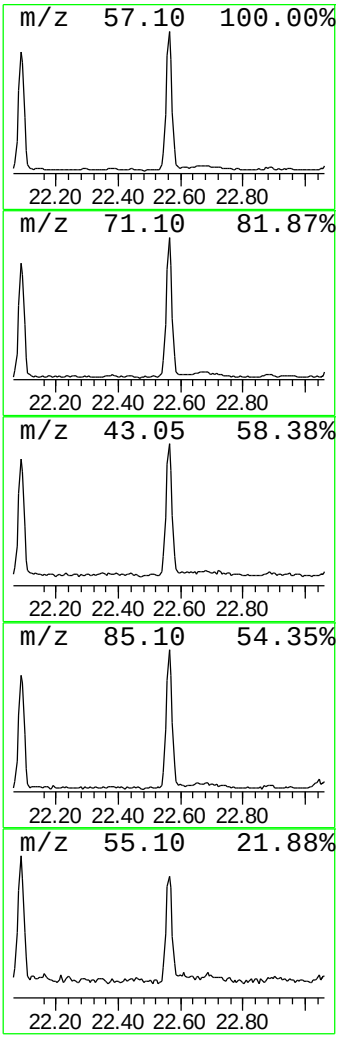
Peak Number 7 (DEL) Alkane: Straight-Chai... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.56	2.92 ng/ul	567600	Perylene-d12	23.17

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Eicosane	282	C20H42	000112-95-8	91
2	Eicosane, 7-hexyl-	366	C26H54	055333-99-8	91
3	Tetracosane	338	C24H50	000646-31-1	91
4	Tetracosane	338	C24H50	000646-31-1	91
5	Eicosane	282	C20H42	000112-95-8	90





Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM122719\
Data File : BM024330.D
Acq On : 27 Dec 2019 17:17
Operator : JU
Sample : K6280-09
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BFF21

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM121719MA.M
Quant Title : SVOA CALIBRATION

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

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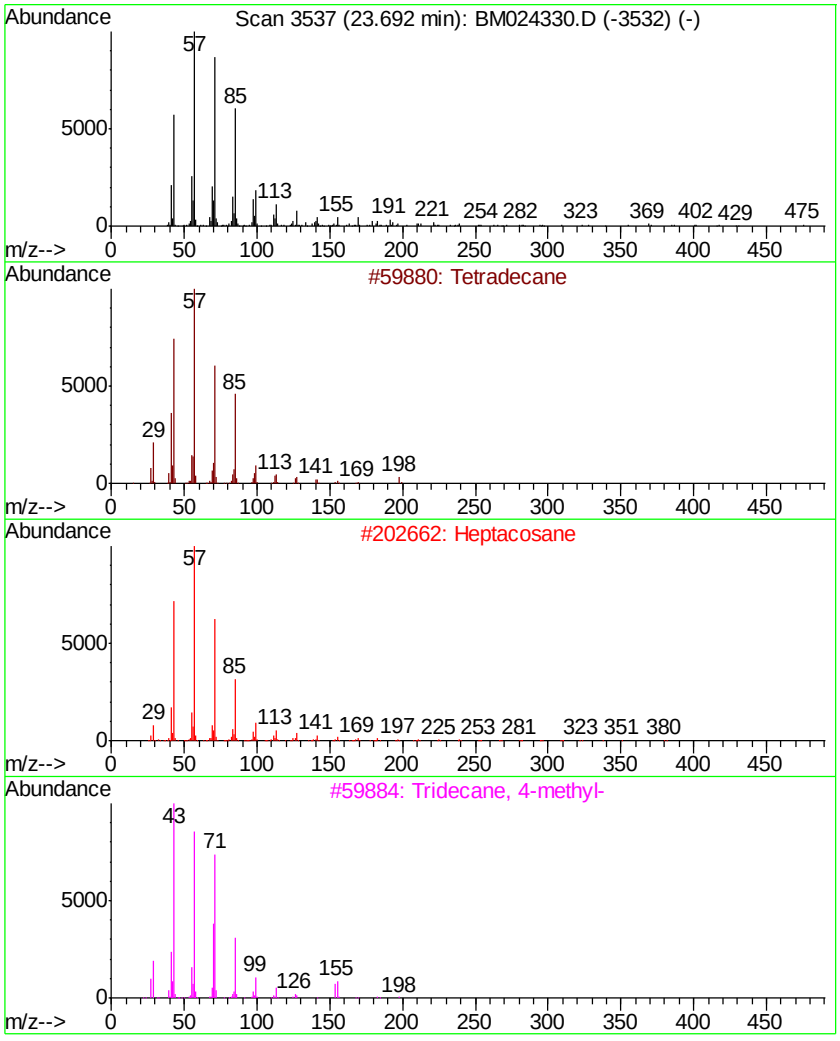
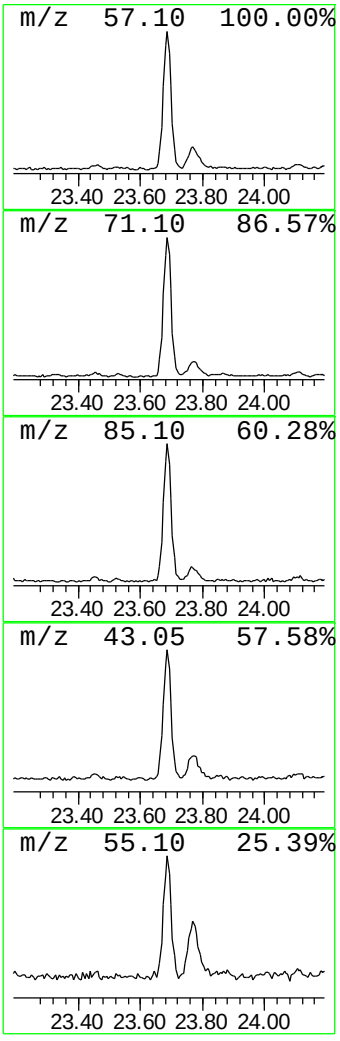
Peak Number 8 (DEL) Alkane: Straight-Chai... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.69	3.13 ng/ul	608253	Perylene-d12	23.17

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tetradecane	198	C14H30	000629-59-4	83
2	Heptacosane	380	C27H56	000593-49-7	81
3	Tridecane, 4-methyl-	198	C14H30	026730-12-1	72
4	Heptadecane	240	C17H36	000629-78-7	72
5	Docosane	310	C22H46	000629-97-0	72





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM122719\
Data File : BM024330.D
Acq On : 27 Dec 2019 17:17
Operator : JU
Sample : K6280-09
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BFF21

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM121719MA.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
Phenol, 2-methoxy-	8.51	3.2	ng/ul	220514	1	7.42	1392150	20.0
Propanoic acid, 2...	12.68	2.3	ng/ul	308682	3	14.08	2731090	20.0
7,9-Di-tert-butyl...	17.53	2.9	ng/ul	451214	4	16.84	3151390	20.0
3,5-di-tert-Butyl...	17.97	2.6	ng/ul	404902	4	16.84	3151390	20.0
n-Nonadecanol-1	20.79	4.4	ng/ul	801445	5	21.06	3670770	20.0
(DEL) Alkane: Str...	22.09	2.7	ng/ul	501175	5	21.06	3670770	20.0
(DEL) Alkane: Str...	22.56	2.9	ng/ul	567600	6	23.17	3888040	20.0
(DEL) Alkane: Str...	23.69	3.1	ng/ul	608253	6	23.17	3888040	20.0