LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA M\DATA\BM121015\
Data File : BM003473.D
Acq On : 11 Dec 2015 03:35
Operator : UM/IZ
Sample : G4725-02
Misc :
ALS Vial : 41 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : SB2(2-4)

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:\HPCHEM1\BNA_M\METHODS\8270-BM120915.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	4.840	292	298	308	rVB	372142	522804	15.14%	1.724%
2	5.304	371	377	385	rBV	1497483	2188108	63.36%	7.216%
3	6.898	637	648	664	rVB	1418346	2352335	68.12%	7.757%
4	7.257	701	709	719	rBV	1550779	2498243	72.34%	8.239%
5	7.722	780	788	794	rBV	263400	424992	12.31%	1.402%
6	8.039	835	842	850	rVB	1155719	1866425	54.05%	6.155%
7	8.881	977	985	992	rBV	901595	1485276	43.01%	4.898%
8	10.510	1253	1262	1268	rBV	376333	635175	18.39%	2.095%
9	10.563	1268	1271	1275	rVB	27620	37873	1.10%	0.125%
10	12.174	1536	1545	1552	rVB	47716	79146	2.29%	0.261%
11	12.398	1577	1583	1592	rVB	35256	53332	1.54%	0.176%
12	12.986	1676	1683	1692	rBV	2022226	3175024	91.94%	10.470%
13	13.192	1713	1718	1723	rBV2	25276	34623	1.00%	0.114%
14	13.686	1796	1802	1807	rBV	32294	54968	1.59%	0.181%
15	13.739	1807	1811	1818	rVB	29138	43886	1.27%	0.145%
16	13.827	1820	1826	1830	rBV	223524	323109	9.36%	1.066%
17	14.274	1896	1902	1906	rBV	50306	66955	1.94%	0.221%
18	14.374	1910	1919	1925	rVV2	477765	749159	21.69%	2.471%
19	14.768	1982	1986	1991	rVB	39073	55094	1.60%	0.182%
20	15.163	2045	2053	2056	rBV3	20809	37738	1.09%	0.124%
21	15.227	2060	2064	2069	rVB	58164	74917	2.17%	0.247%
22	15.415	2091	2096	2102	rBV3	44741	70189	2.03%	0.231%
23	15.633	2127	2133	2137	rVB3	23898	39408	1.14%	0.130%
24	15.715	2143	2147	2155	rVB	22639	37190	1.08%	0.123%
25	15.862	2164	2172	2181	rBV	1401606	2067385	59.87%	6.818%
26	16.092	2206	2211	2212	rBV	70801	95858	2.78%	0.316%
27	16.110	2212	2214	2220	rVB	82954	105330	3.05%	0.347%
28	16.662	2300	2308	2311	rBV3	31504	57935	1.68%	0.191%
29	16.880	2341	2345	2351	rVB3	45555	57134	1.65%	0.188%
30	17.121	2379	2386	2389	rBV	539083	792041	22.94%	2.612%
31	17.162	2389	2393	2400	rVV	272458	405216	11.73%	1.336%
32	17.251	2404	2408	2413	rVB	68264	91216	2.64%	0.301%
33	17.615	2467	2470	2478	rVB2	31604	41781	1.21%	0.138%
34	18.009	2529	2537	2540	rBV2	63924	138810	4.02%	0.458%

LSC Area Percent Report

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Operator : UM/IZ
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Misc :
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Instrument : BNA_M
ClientSampleId : SB2(2-4)

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:\HPCHEM1\BNA_M\METHODS\8270-BM120915.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	18.039	2540	2542	2548	rVB	65302	87446	2.53%	0.288%
36	18.121	2551	2556	2562	rBV	30767	45337	1.31%	0.150%
37	18.186	2562	2567	2571	rBV2	59475	110948	3.21%	0.366%
38	18.227	2571	2574	2579	rVB	40929	55929	1.62%	0.184%
39	18.309	2583	2588	2592	rBV3	36276	52740	1.53%	0.174%
40	18.498	2616	2620	2623	rBV	31992	39777	1.15%	0.131%
41	18.915	2686	2691	2694	rBV2	28551	44434	1.29%	0.147%
42	19.056	2711	2715	2722	rVB4	21620	40856	1.18%	0.135%
43	19.180	2731	2736	2743	rBV	381357	504755	14.62%	1.665%
44	19.450	2778	2782	2788	rVB	34942	44316	1.28%	0.146%
45	19.545	2788	2798	2806	rBV2	314100	583795	16.91%	1.925%
46	19.621	2806	2811	2818	rVB2	28984	51130	1.48%	0.169%
47	19.750	2818	2833	2839	rBV	2541772	3453318	100.00%	11.388%
48	19.868	2848	2853	2860	rBV4	26984	71713	2.08%	0.236%
49	20.045	2879	2883	2885	rBV2	32690	43404	1.26%	0.143%
50	20.145	2896	2900	2904	rBV2	26467	34782	1.01%	0.115%
51	20.197	2904	2909	2913	rVB2	36935	67279	1.95%	0.222%
52	20.497	2957	2960	2965	rVB2	32009	37191	1.08%	0.123%
53	20.562	2967	2971	2974	rVV	35039	38241	1.11%	0.126%
54	20.792	3007	3010	3017	rVB2	29352	38584	1.12%	0.127%
55	21.021	3046	3049	3057	rVB4	102916	160079	4.64%	0.528%
56	21.309	3091	3098	3102	rBV2	772275	1192808	34.54%	3.934%
57	21.344	3102	3104	3111	rVB	167087	210093	6.08%	0.693%
58	21.462	3120	3124	3128	rBV2	67802	83881	2.43%	0.277%
59	21.627	3148	3152	3156	rVB2	24847	41593	1.20%	0.137%
60	21.897	3195	3198	3208	rVB3	44292	97347	2.82%	0.321%
61	22.356	3273	3276	3288	rVB5	51935	101582	2.94%	0.335%
62	22.886	3359	3366	3371	rBV2	127967	346327	10.03%	1.142%
63	23.368	3443	3448	3454	rBV	73571	132530	3.84%	0.437%
64	23.462	3456	3464	3474	rVV	224753	651669	18.87%	2.149%
65	23.562	3474	3481	3488	rVV	440748	835696	24.20%	2.756%
66	25.827	3861	3866	3878	rVB	53721	159744	4.63%	0.527%
67	26.532	3980	3986	3995	rVB2	37089	105634	3.06%	0.348%

Sum of corrected areas: 30323633

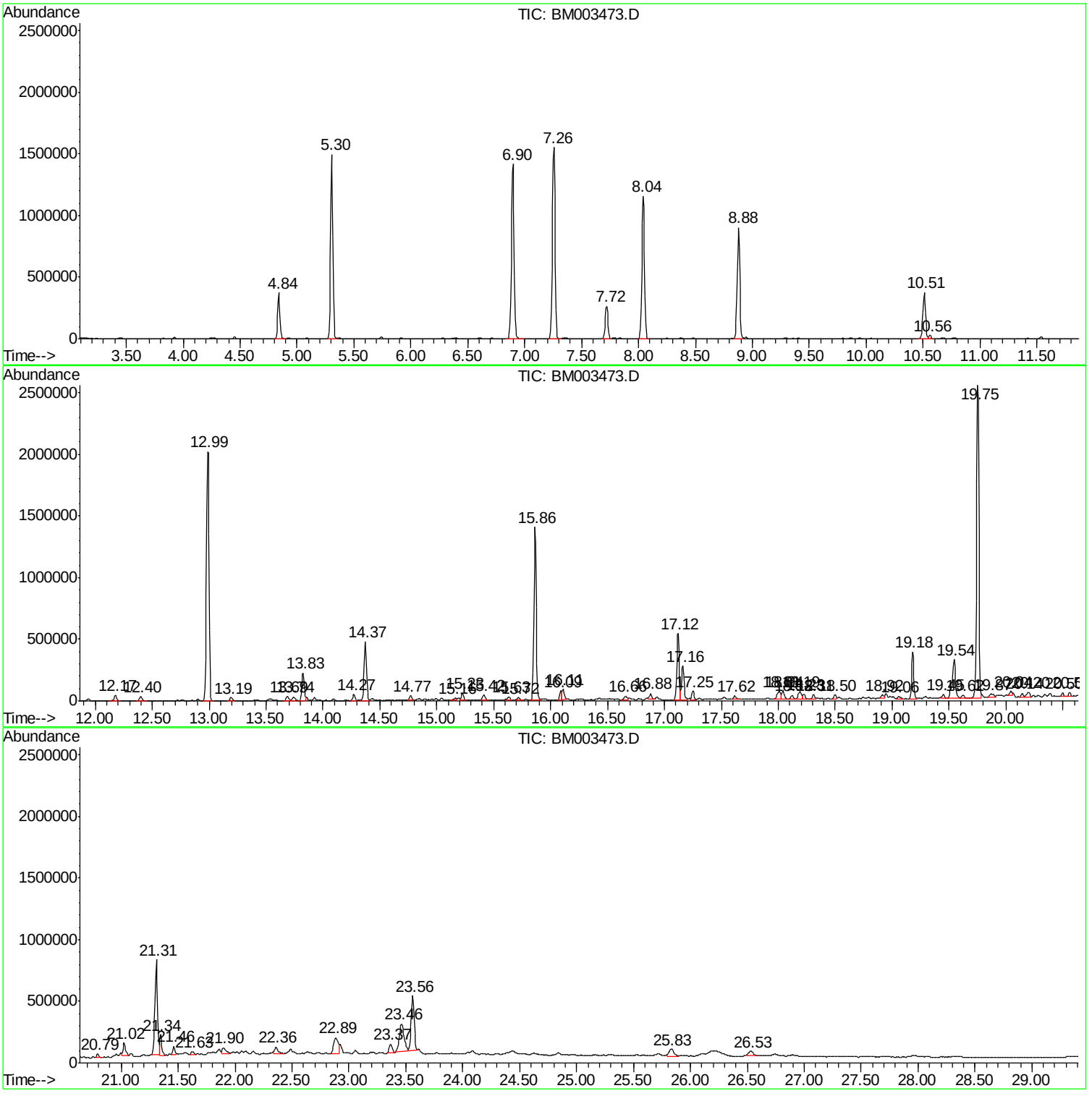
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA M\DATA\BM121015\
Data File : BM003473.D
Acq On : 11 Dec 2015 03:35
Operator : UM/IZ
Sample : G4725-02
Misc :
ALS Vial : 41 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SB2(2-4)

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\8270-BM120915.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Data Path : Z:\HPCHEM1\BNA M\DATA\BM121015\
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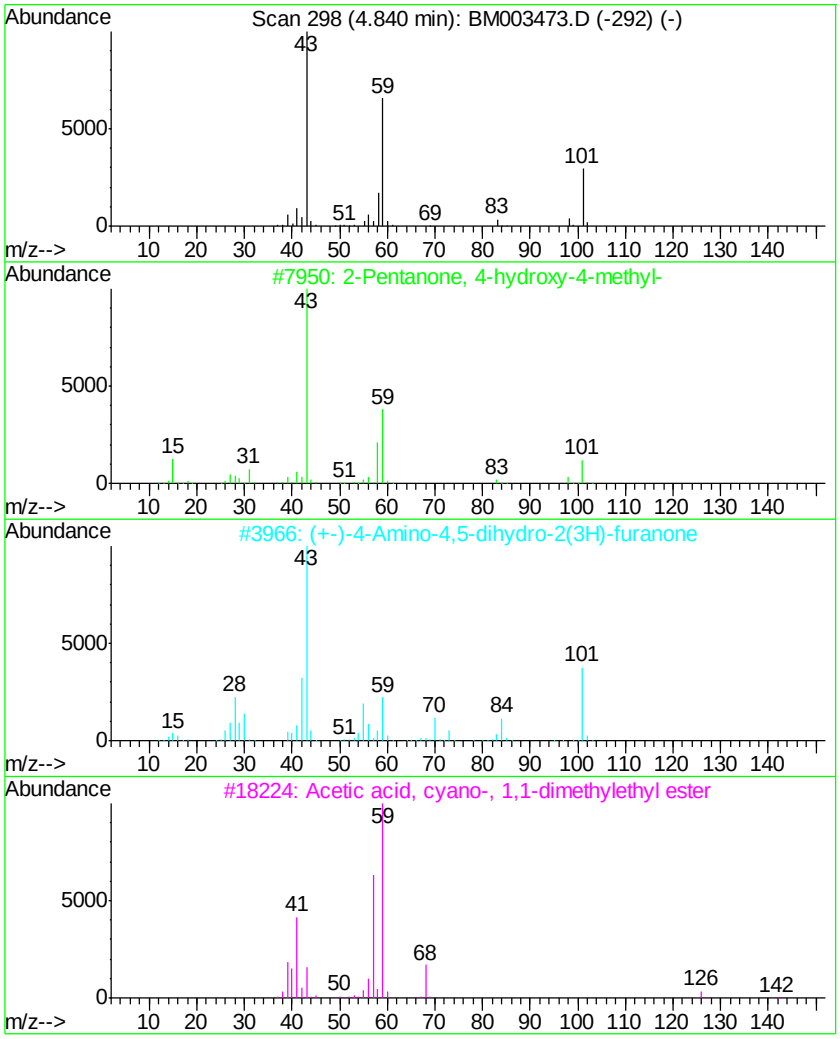
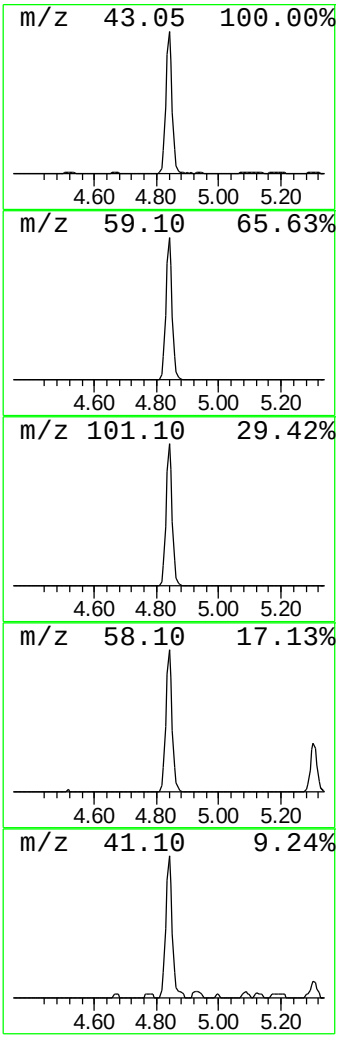
****

Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.84	24.60 ng	522804	1,4-Dichlorobenzene-d4	7.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	56
2	(+-)-4-Amino-4,5-dihydro-2(3H)-f...	101	C4H7NO2	016504-58-8	47
3	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	17
4	5-Hexen-2-one	98	C6H10O	000109-49-9	9
5	Morpholine, 4-methyl-	101	C5H11NO	000109-02-4	9





Data Path : Z:\HPCHEM1\BNA M\DATA\BM121015\
Data File : BM003473.D
Acq On : 11 Dec 2015 03:35
Operator : UM/IZ
Sample : G4725-02
Misc :
ALS Vial : 41 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : SB2(2-4)

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\8270-BM120915.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

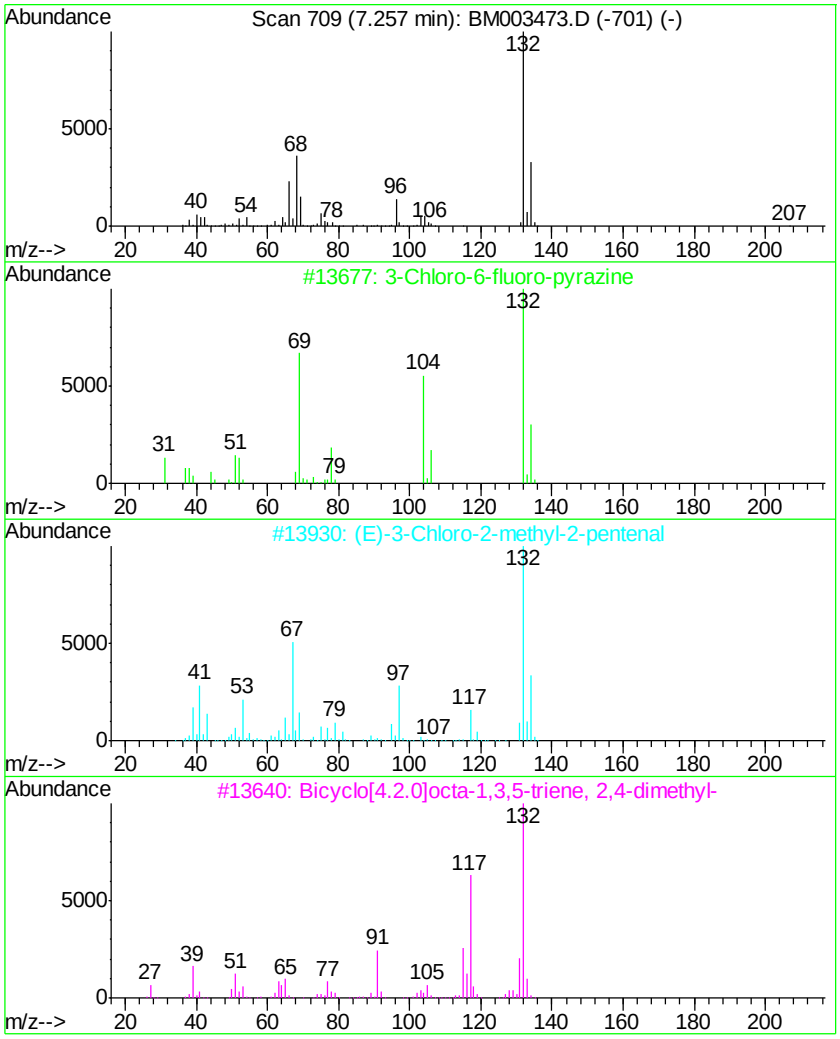
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

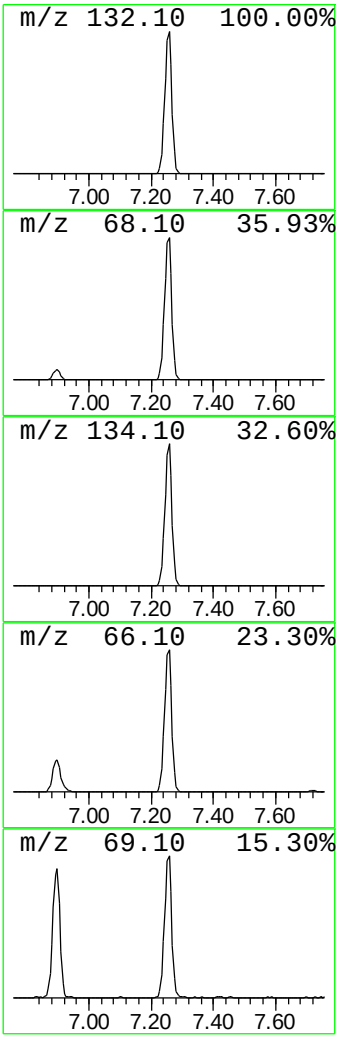
****

Peak Number 2 unknown7.26 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.26	117.57 ng	2498240	1,4-Dichlorobenzene-d4	7.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	35
2	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	17
3	Bicyclo[4.2.0]octa-1,3,5-triene,...	132	C10H12	028749-81-7	9
4	1-Methylpyrrolo[1,2-a]pyrazine	132	C8H8N2	064608-59-9	9
5	1,3,4-Thiadiazole-2(3H)-thione, ...	132	C3H4N2S2	029490-19-5	9





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Sample : G4725-02
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Instrument : BNA_M
ClientSampleId : SB2(2-4)

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\8270-BM120915.M
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TIC Library : C:\DATABASE\NIST02.L
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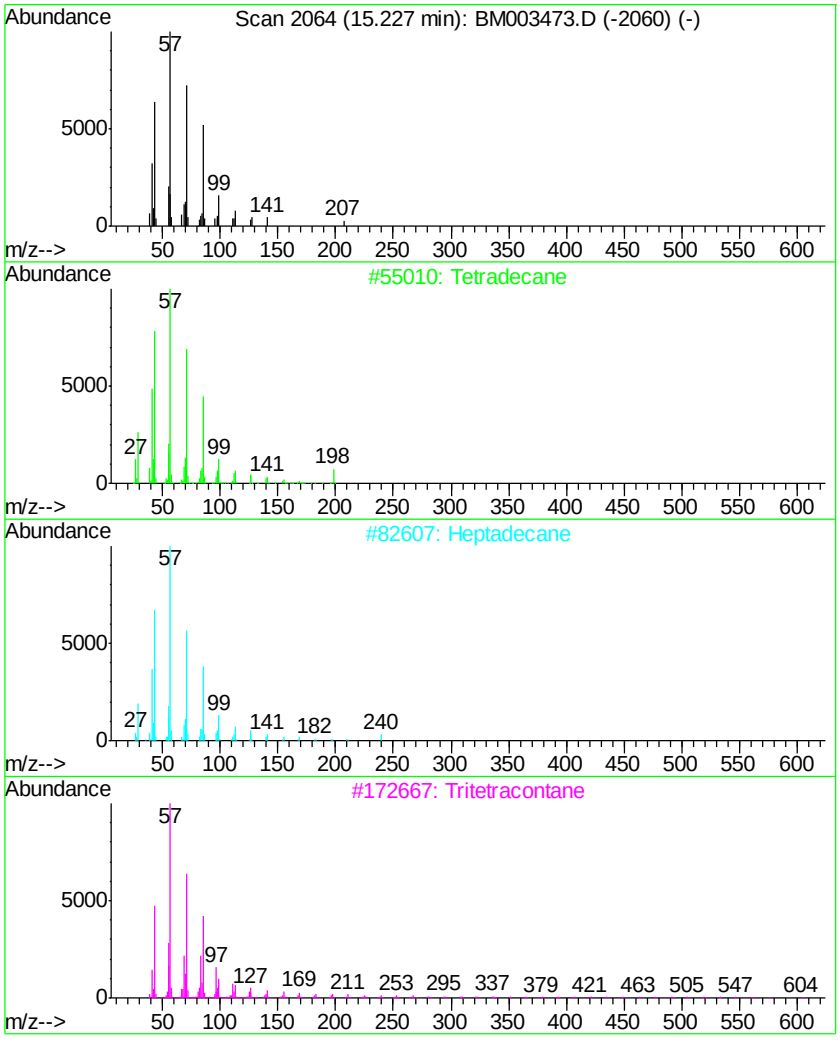
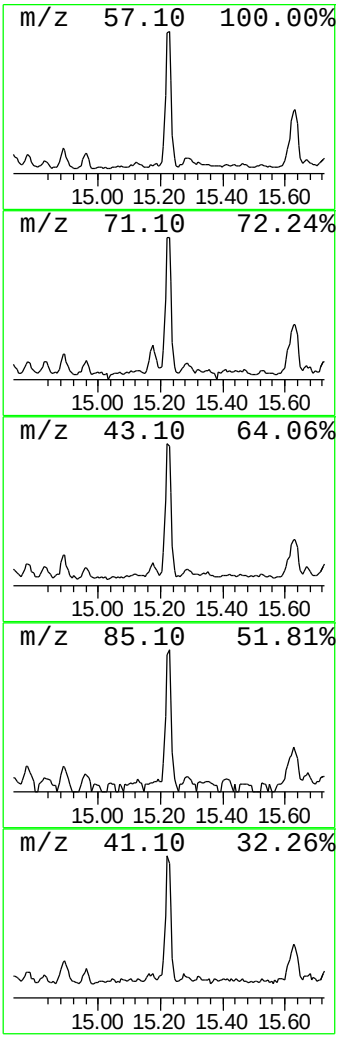
****

Peak Number 4 Tetradecane Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.23	2.00 ng	74917	Acenaphthene-d10	14.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tetradecane	198	C14H30	000629-59-4	91
2	Heptadecane	240	C17H36	000629-78-7	90
3	Tritetracontane	605	C43H88	007098-21-7	90
4	Pentadecane	212	C15H32	000629-62-9	90
5	Hexadecane	226	C16H34	000544-76-3	86





Data Path : Z:\HPCHEM1\BNA M\DATA\BM121015\
Data File : BM003473.D
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Instrument : BNA_M
ClientSampleId : SB2(2-4)

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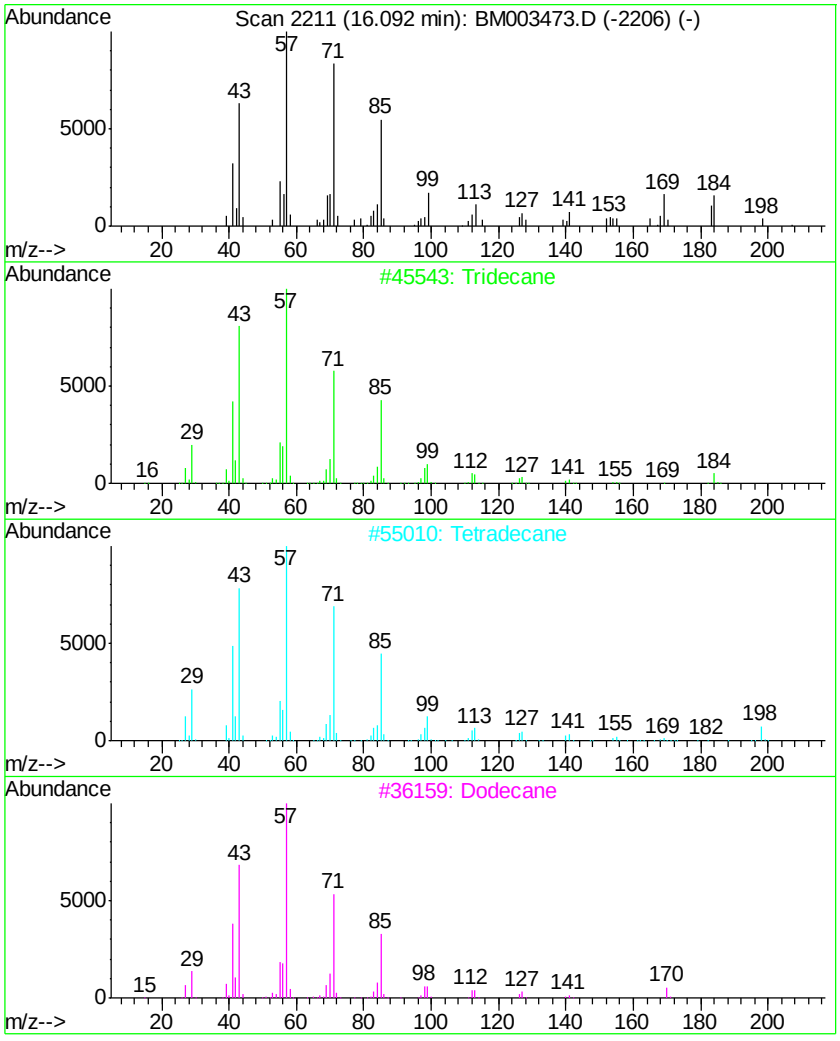
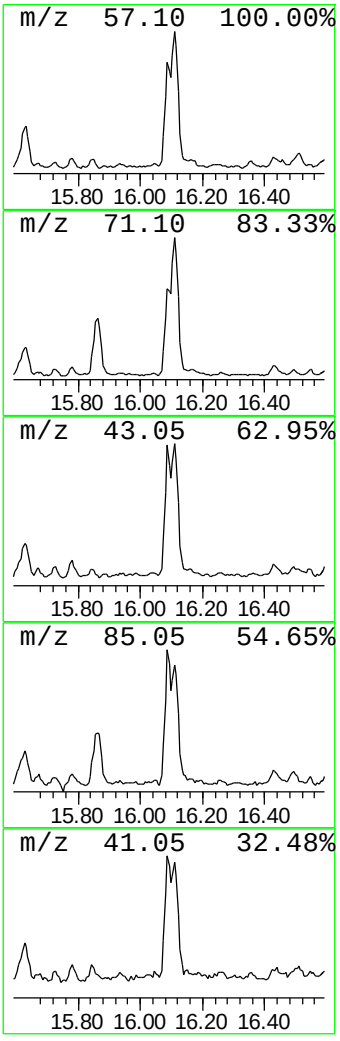
****

Peak Number 5 Tridecane Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.09	2.42 ng	95858	Phenanthrene-d10	17.12

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecane	184	C13H28	000629-50-5	91
2	Tetradecane	198	C14H30	000629-59-4	91
3	Dodecane	170	C12H26	000112-40-3	90
4	2-Bromo dodecane	248	C12H25Br	013187-99-0	83
5	Pentadecane	212	C15H32	000629-62-9	80





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Data File : BM003473.D
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Operator : UM/IZ
Sample : G4725-02
Misc :
ALS Vial : 41 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : SB2(2-4)

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\8270-BM120915.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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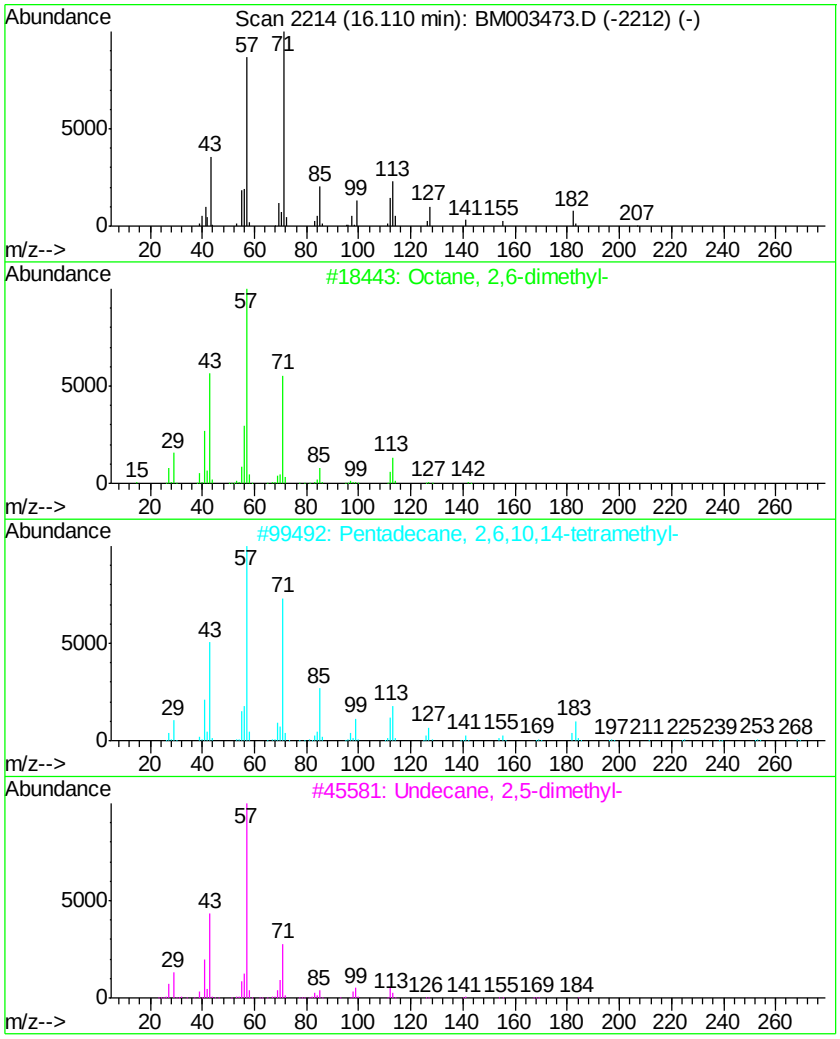
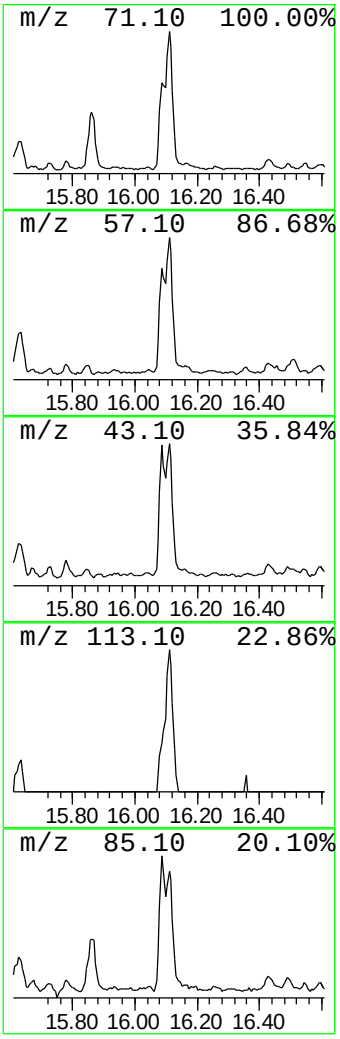
Peak Number 6 Octane, 2,6-dimethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.11	2.66 ng	105330	Phenanthrene-d10	17.12

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	72
2	Pentadecane, 2,6,10,14-tetramethyl-	268	C19H40	001921-70-6	64
3	Undecane, 2,5-dimethyl-	184	C13H28	017301-22-3	53
4	Undecane, 6,6-dimethyl-	184	C13H28	017312-76-4	53
5	Tridecane, 1-iodo-	310	C13H27I	035599-77-0	50





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Sample : G4725-02
Misc :
ALS Vial : 41 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : SB2(2-4)

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\8270-BM120915.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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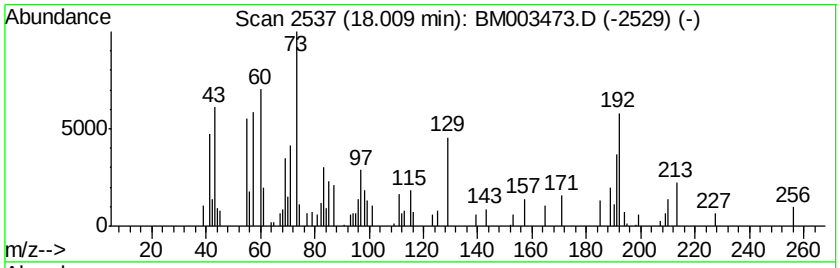
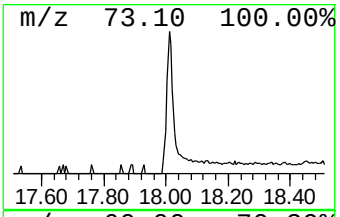
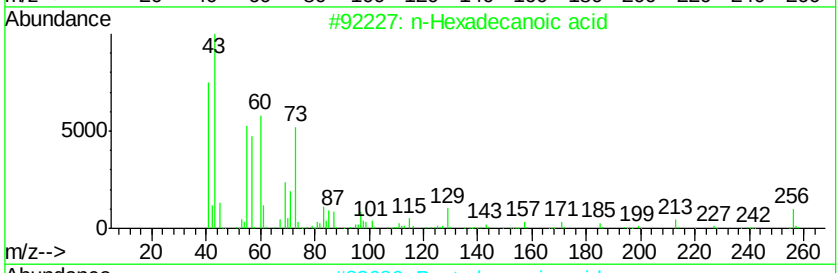
Peak Number 7 n-Hexadecanoic acid Concentration Rank 4

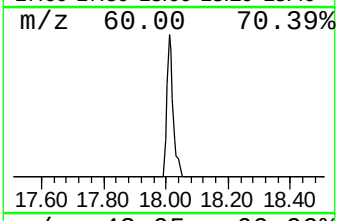
R.T.	EstConc	Area	Relative to ISTD	R.T.
18.01	3.51 ng	138810	Phenanthrene-d10	17.12

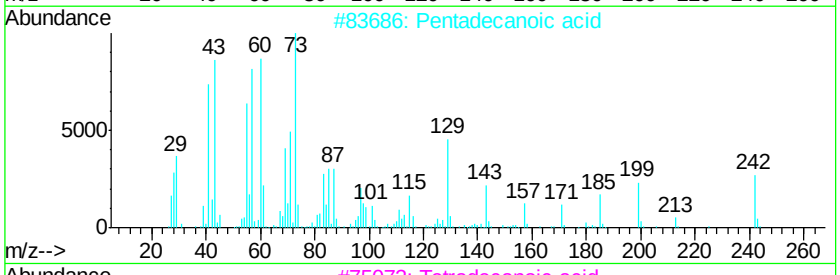
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	95
2	Pentadecanoic acid	242	C15H30O2	001002-84-2	45
3	Tetradecanoic acid	228	C14H28O2	000544-63-8	43
4	Tridecanoic acid	214	C13H26O2	000638-53-9	38
5	n-Decanoic acid	172	C10H20O2	000334-48-5	27

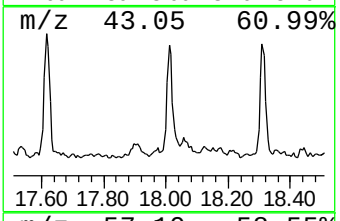


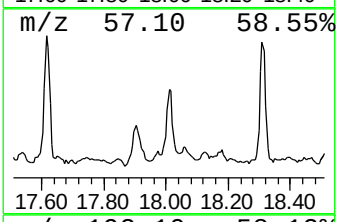


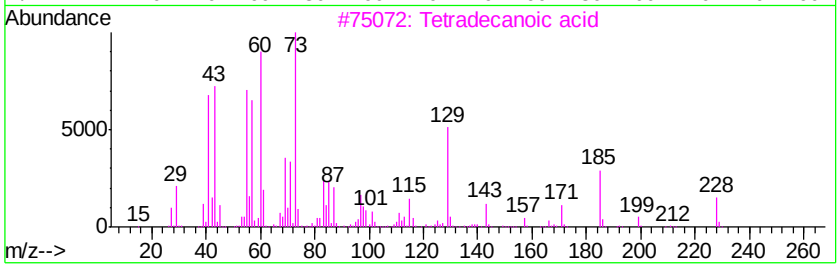


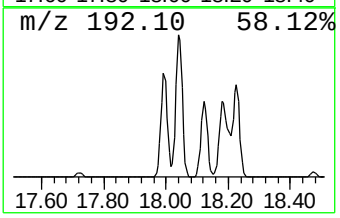












Data Path : Z:\HPCHEM1\BNA M\DATA\BM121015\
Data File : BM003473.D
Acq On : 11 Dec 2015 03:35
Operator : UM/IZ
Sample : G4725-02
Misc :
ALS Vial : 41 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : SB2(2-4)

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\8270-BM120915.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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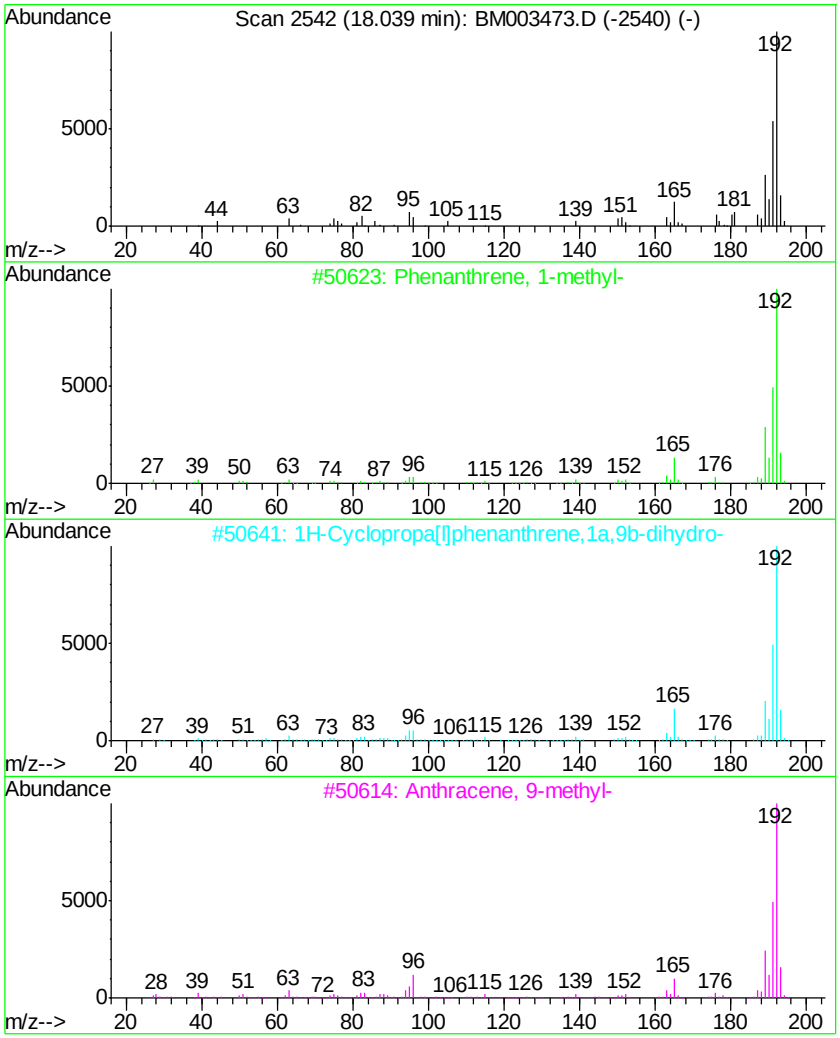
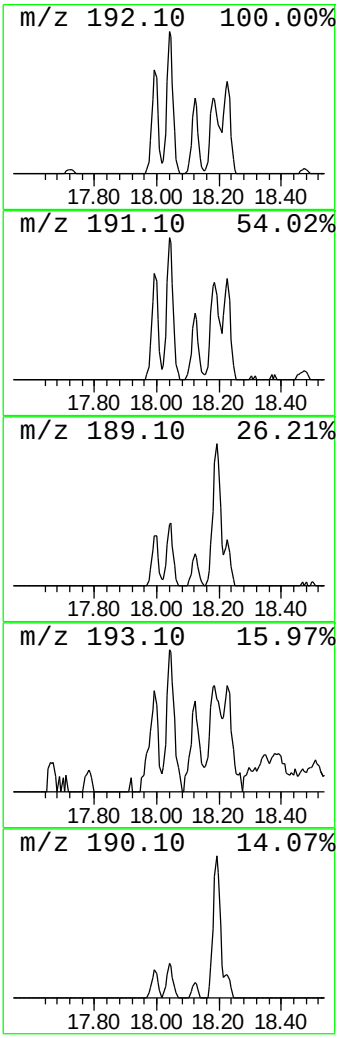
Peak Number 8 Phenanthrene, 1-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.04	2.21 ng	87446	Phenanthrene-d10	17.12

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	94
2	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	93
3	Anthracene, 9-methyl-	192	C15H12	000779-02-2	91
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	87
5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	87





Data Path : Z:\HPCHEM1\BNA M\DATA\BM121015\
Data File : BM003473.D
Acq On : 11 Dec 2015 03:35
Operator : UM/IZ
Sample : G4725-02
Misc :
ALS Vial : 41 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : SB2(2-4)

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\8270-BM120915.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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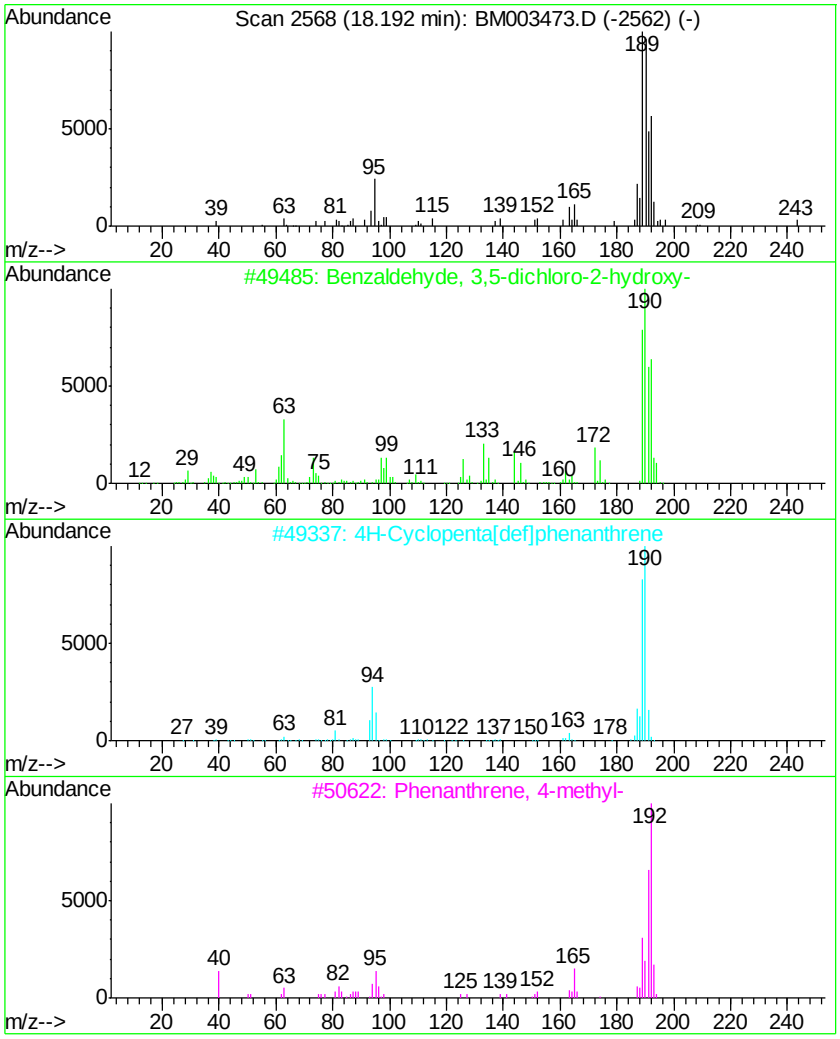
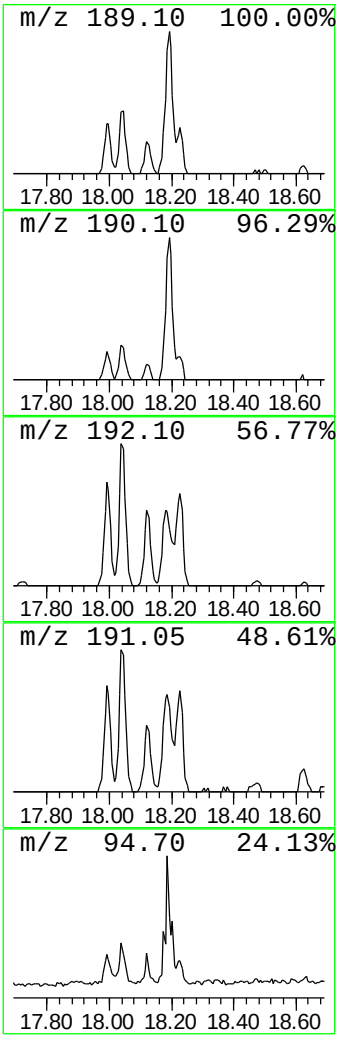
Peak Number 9 Benzaldehyde, 3,5-dichloro-... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.19	2.80 ng	110948	Phenanthrene-d10	17.12

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzaldehyde, 3,5-dichloro-2-hyd...	190	C7H4Cl2O2	000090-60-8	64
2	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	49
3	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	46
4	Pyrazole-4-carboxaldehyde, 3-(4-...	190	C10H7FN2O	306936-57-2	43
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	42





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Data File : BM003473.D
Acq On : 11 Dec 2015 03:35
Operator : UM/IZ
Sample : G4725-02
Misc :
ALS Vial : 41 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : SB2(2-4)

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\8270-BM120915.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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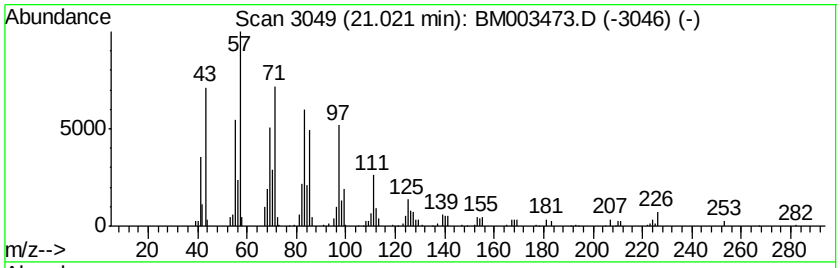
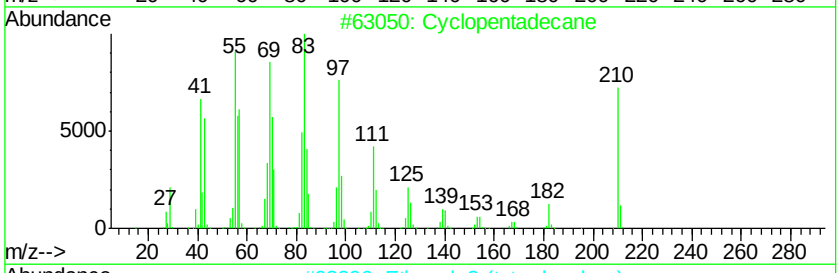
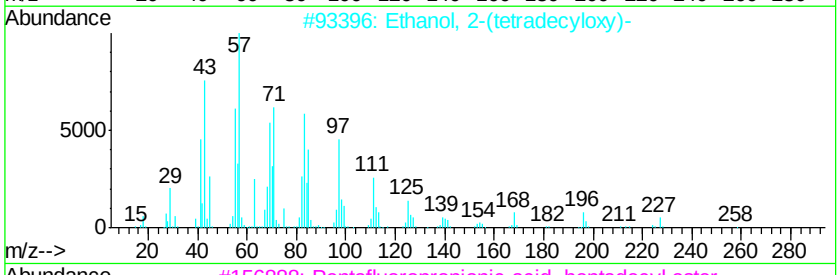
Peak Number 10 Cyclopentadecane Concentration Rank 7

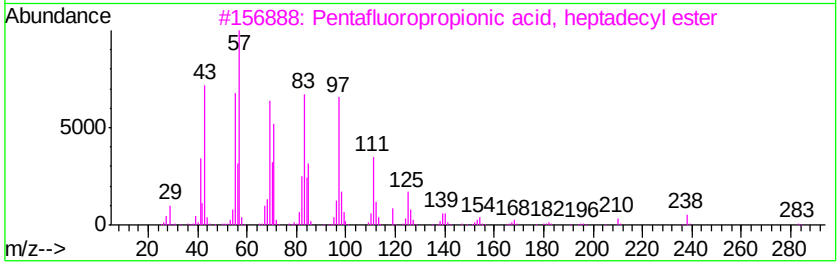
R.T.	EstConc	Area	Relative to ISTD	R.T.
21.02	2.68 ng	160079	Chrysene-d12	21.31

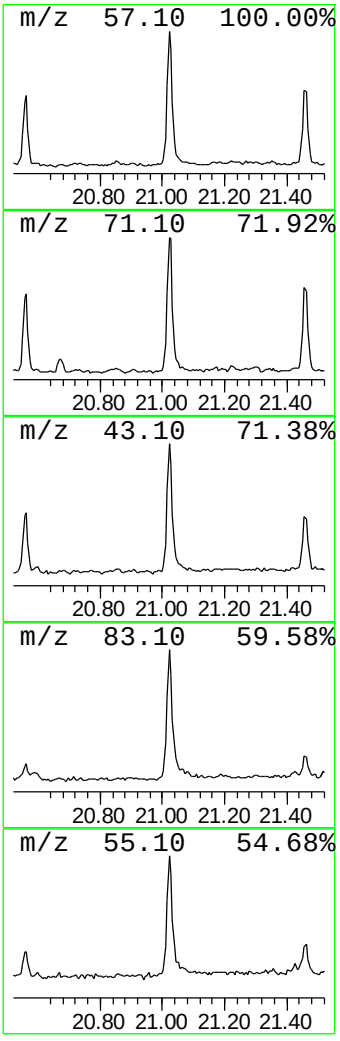
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentadecane	210	C15H30	000295-48-7	95
2	Ethanol, 2-(tetradecyloxy)-	258	C16H34O2	002136-70-1	91
3	Pentafluoropropionic acid, hepta...	402	C20H35F5O2	1000283-04-2	90
4	Heptafluorobutanoic acid, heptad...	452	C21H35F7O2	1000282-97-3	89
5	7-Hexadecene, (Z)-	224	C16H32	035507-09-6	83











Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM121015\
Data File : BM003473.D
Acq On : 11 Dec 2015 03:35
Operator : UM/IZ
Sample : G4725-02
Misc :
ALS Vial : 41 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : SB2(2-4)

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\8270-BM120915.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
2-Pentanone, 4-hy...	4.84	24.6	ng	522804	1	7.72	424992	20.0
unknown7.26	7.26	117.6	ng	2498240	1	7.72	424992	20.0
Tetradecane	15.23	2.0	ng	74917	3	14.37	749159	20.0
Tridecane	16.09	2.4	ng	95858	4	17.12	792041	20.0
Octane, 2,6-dimet...	16.11	2.7	ng	105330	4	17.12	792041	20.0
n-Hexadecanoic acid	18.01	3.5	ng	138810	4	17.12	792041	20.0
Phenanthrene, 1-m...	18.04	2.2	ng	87446	4	17.12	792041	20.0
Benzaldehyde, 3,5...	18.19	2.8	ng	110948	4	17.12	792041	20.0
Cyclopentadecane	21.02	2.7	ng	160079	5	21.31	1192810	20.0