LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF072516\
Data File : BF089276.D
Acq On : 25 Jul 2016 13:42
Operator : UM/SJ
Sample : H4129-16
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : KMW-04-0.2-2.0

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_F\METHODS\8270-BF072016.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	1.701	9	10	54	rVB	1572546	3362293	100.00%	8.316%
2	4.684	269	271	277	rVB	62990	131288	3.90%	0.325%
3	5.073	303	305	309	rBV2	120162	257711	7.66%	0.637%
4	5.141	309	311	321	rVV	1045458	1308836	38.93%	3.237%
5	5.359	328	330	335	rVB3	112650	202168	6.01%	0.500%
6	5.679	356	358	362	rBV3	84579	174185	5.18%	0.431%
7	5.793	366	368	371	rVB2	140438	205592	6.11%	0.508%
8	5.850	371	373	378	rBV	82245	137377	4.09%	0.340%
9	6.010	384	387	389	rVB2	78491	118237	3.52%	0.292%
10	6.067	389	392	398	rVB3	115952	320978	9.55%	0.794%
11	6.227	403	406	410	rBV2	884694	1406995	41.85%	3.480%
12	6.330	413	415	418	rBV	1283634	1281404	38.11%	3.169%
13	6.387	418	420	424	rVB2	367654	454233	13.51%	1.123%
14	6.559	433	435	437	rBV	330230	359712	10.70%	0.890%
15	6.616	439	440	445	rVB	126787	155448	4.62%	0.384%
16	6.719	447	449	451	rBV	1108507	1152266	34.27%	2.850%
17	6.959	468	470	474	rBV3	71391	149082	4.43%	0.369%
18	7.107	480	483	484	rVV2	75983	133225	3.96%	0.329%
19	7.130	484	485	488	rVV	593046	773592	23.01%	1.913%
20	7.176	488	489	492	rVV2	82731	145657	4.33%	0.360%
21	7.370	505	506	508	rVB	161657	122900	3.66%	0.304%
22	7.850	545	548	554	rVV2	639886	974522	28.98%	2.410%
23	7.930	554	555	557	rVV	180266	140494	4.18%	0.347%
24	8.296	584	587	589	rBV	216326	308914	9.19%	0.764%
25	8.456	599	601	604	rBV	220943	293889	8.74%	0.727%
26	8.559	608	610	614	rVB	395758	374534	11.14%	0.926%
27	8.662	616	619	624	rVB	197008	290958	8.65%	0.720%
28	8.765	624	628	629	rBV3	80393	123921	3.69%	0.306%
29	8.890	635	639	640	rBV	196000	250850	7.46%	0.620%
30	8.925	640	642	645	rVV	1297050	1375879	40.92%	3.403%
31	9.028	648	651	653	rBV	264026	353303	10.51%	0.874%
32	9.188	663	665	668	rBV2	141115	234501	6.97%	0.580%
33	9.256	670	671	672	rVV	215727	196245	5.84%	0.485%
34	9.279	672	673	676	rVV2	160392	260916	7.76%	0.645%

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Instrument : BNA_F
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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

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Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF072016.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	9.325	676	677	680	rVV2	453799	682123	20.29%	1.687%
36	9.370	680	681	686	rVB	148461	203212	6.04%	0.503%
37	9.450	686	688	691	rBV	168633	206711	6.15%	0.511%
38	9.553	695	697	698	rBV	231952	299557	8.91%	0.741%
39	9.588	698	700	702	rVV	485842	569868	16.95%	1.409%
40	9.793	712	718	720	rBV4	131337	298132	8.87%	0.737%
41	9.908	726	728	730	rBV	129109	163171	4.85%	0.404%
42	9.999	734	736	738	rBV2	114074	179733	5.35%	0.445%
43	10.045	738	740	742	rVB	326107	256944	7.64%	0.635%
44	10.125	746	747	749	rBV2	84949	127518	3.79%	0.315%
45	10.262	756	759	760	rBV2	146615	155407	4.62%	0.384%
46	10.376	767	769	772	rVV	775512	835289	24.84%	2.066%
47	10.525	778	782	784	rBV2	376010	622883	18.53%	1.541%
48	10.811	805	807	812	rBV5	90176	221797	6.60%	0.549%
49	10.959	818	820	821	rVV	266511	232417	6.91%	0.575%
50	11.062	827	829	833	rBV2	407396	740708	22.03%	1.832%
51	11.142	833	836	838	rVV	134698	151640	4.51%	0.375%
52	11.382	855	857	863	rVB2	251334	301633	8.97%	0.746%
53	11.565	870	873	874	rBV	124221	156249	4.65%	0.386%
54	11.588	874	875	877	rVV	320374	393017	11.69%	0.972%
55	11.634	877	879	881	rVV2	156930	237488	7.06%	0.587%
56	11.668	881	882	888	rVB	258123	465788	13.85%	1.152%
57	11.782	891	892	895	rVB	127685	171734	5.11%	0.425%
58	12.114	918	921	922	rVV	165590	212956	6.33%	0.527%
59	12.148	922	924	925	rVV2	103342	157145	4.67%	0.389%
60	12.171	925	926	927	rVV	216227	188671	5.61%	0.467%
61	12.194	927	928	931	rVV	92094	141415	4.21%	0.350%
62	12.274	932	935	937	rVV	802780	986002	29.33%	2.439%
63	12.319	938	939	942	rVV2	64226	135003	4.02%	0.334%
64	12.491	952	954	957	rVV2	969767	1215017	36.14%	3.005%
65	12.548	957	959	962	rVV2	133572	237580	7.07%	0.588%
66	12.651	966	968	971	rVV	967228	1108784	32.98%	2.742%
67	12.719	971	974	977	rVV3	103486	195228	5.81%	0.483%
68	12.822	977	983	985	rVV2	246177	426641	12.69%	1.055%
69	12.891	987	989	991	rVV	267912	358443	10.66%	0.887%
70	12.925	991	992	996	rVV	205481	230325	6.85%	0.570%
71	13.051	1001	1003	1007	rVB2	70288	119014	3.54%	0.294%

LSC Area Percent Report

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Misc :
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Instrument : BNA_F
ClientSampleId : KMW-04-0.2-2.0

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
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Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF072016.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	13.188	1013	1015	1017	rBV2	104382	153755	4.57%	0.380%
73	13.234	1017	1019	1024	rVB3	129616	234909	6.99%	0.581%
74	13.337	1024	1028	1031	rBV2	92619	224170	6.67%	0.554%
75	13.439	1034	1037	1038	rBV	88802	133345	3.97%	0.330%
76	13.565	1044	1048	1050	rVB3	147216	252049	7.50%	0.623%
77	13.679	1055	1058	1060	rBV2	728399	1282191	38.13%	3.171%
78	13.714	1060	1061	1065	rVV	596371	572502	17.03%	1.416%
79	13.782	1065	1067	1069	rVB2	83364	124981	3.72%	0.309%
80	13.828	1069	1071	1074	rBV4	70587	159366	4.74%	0.394%
81	13.874	1074	1075	1078	rVB3	70171	127371	3.79%	0.315%
82	14.068	1090	1092	1094	rVV	161971	246570	7.33%	0.610%
83	14.182	1098	1102	1106	rVV4	135381	394507	11.73%	0.976%
84	14.388	1117	1120	1124	rBV4	57932	186811	5.56%	0.462%
85	14.480	1126	1128	1130	rVV2	106071	137577	4.09%	0.340%
86	14.537	1131	1133	1137	rVV2	83224	167754	4.99%	0.415%
87	14.594	1137	1138	1140	rVV2	84111	123897	3.68%	0.306%
88	14.685	1143	1146	1150	rVV	619098	1254571	37.31%	3.103%
89	14.765	1151	1153	1158	rVB	272315	428858	12.75%	1.061%
90	14.925	1165	1167	1170	rBV	352626	447494	13.31%	1.107%
91	14.982	1170	1172	1175	rBV	558673	658579	19.59%	1.629%
92	15.028	1175	1176	1178	rBV	150192	253990	7.55%	0.628%
93	15.428	1206	1211	1213	rBV2	100889	196810	5.85%	0.487%
94	16.251	1279	1283	1286	rBV	229767	462593	13.76%	1.144%
95	16.388	1291	1295	1297	rBV2	77892	183484	5.46%	0.454%
96	16.605	1311	1314	1318	rBV	178159	382722	11.38%	0.947%
97	16.685	1319	1321	1328	rVV6	54386	188122	5.60%	0.465%
98	16.800	1329	1331	1339	rVB2	64641	196990	5.86%	0.487%
99	17.520	1391	1394	1409	rVB9	32139	187678	5.58%	0.464%
100	18.446	1469	1475	1481	rBV	41904	152091	4.52%	0.376%

Sum of corrected areas: 40433085

LSC Report - Integrated Chromatogram

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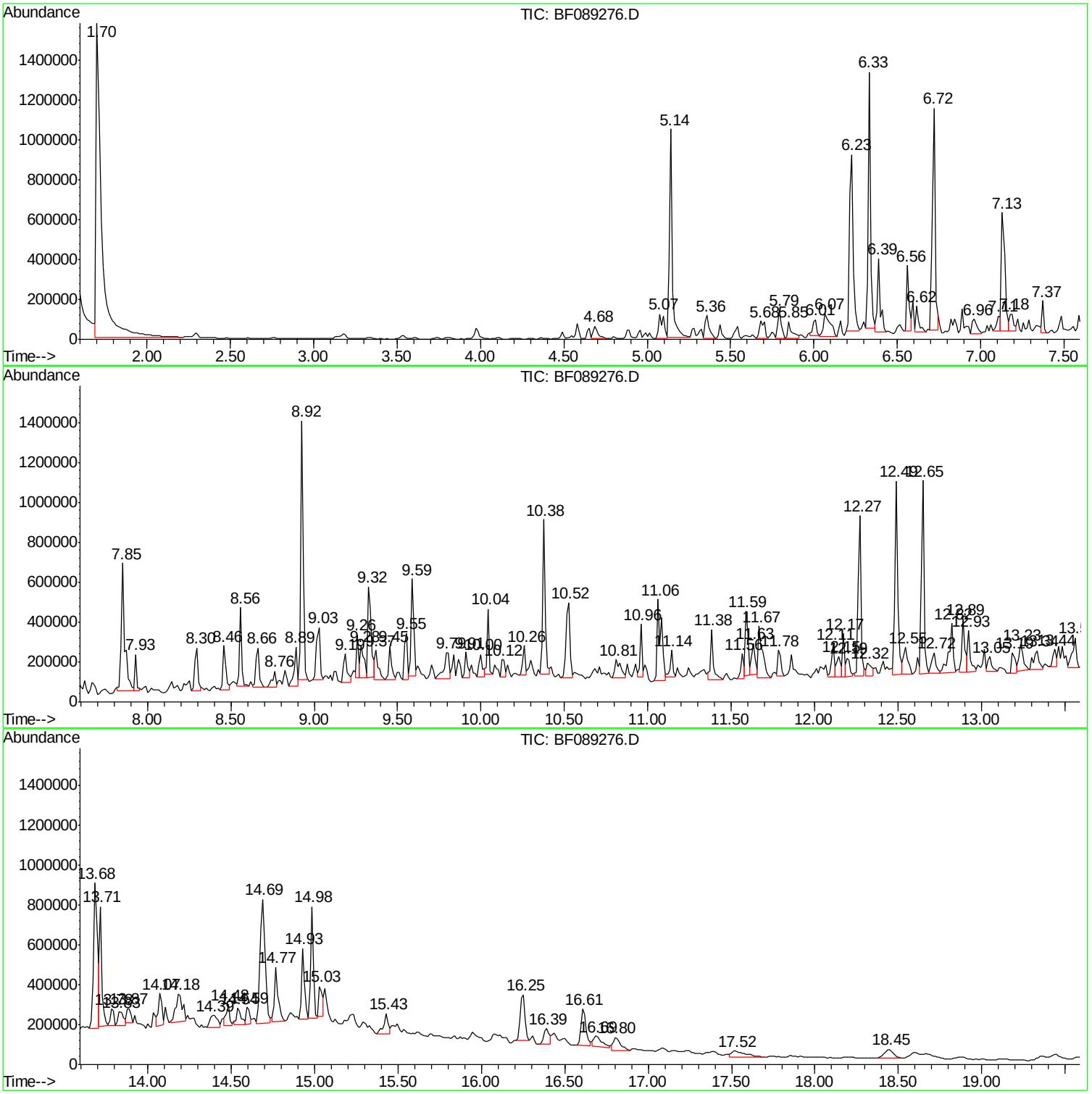
Data File : BF089276.D
Acq On : 25 Jul 2016 13:42
Operator : UM/SJ
Sample : H4129-16
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : KMW-04-0.2-2.0

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF072016.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



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Operator : UM/SJ
Sample : H4129-16
Misc :
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Instrument : BNA_F
ClientSampleId : KMW-04-0.2-2.0

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF072016.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

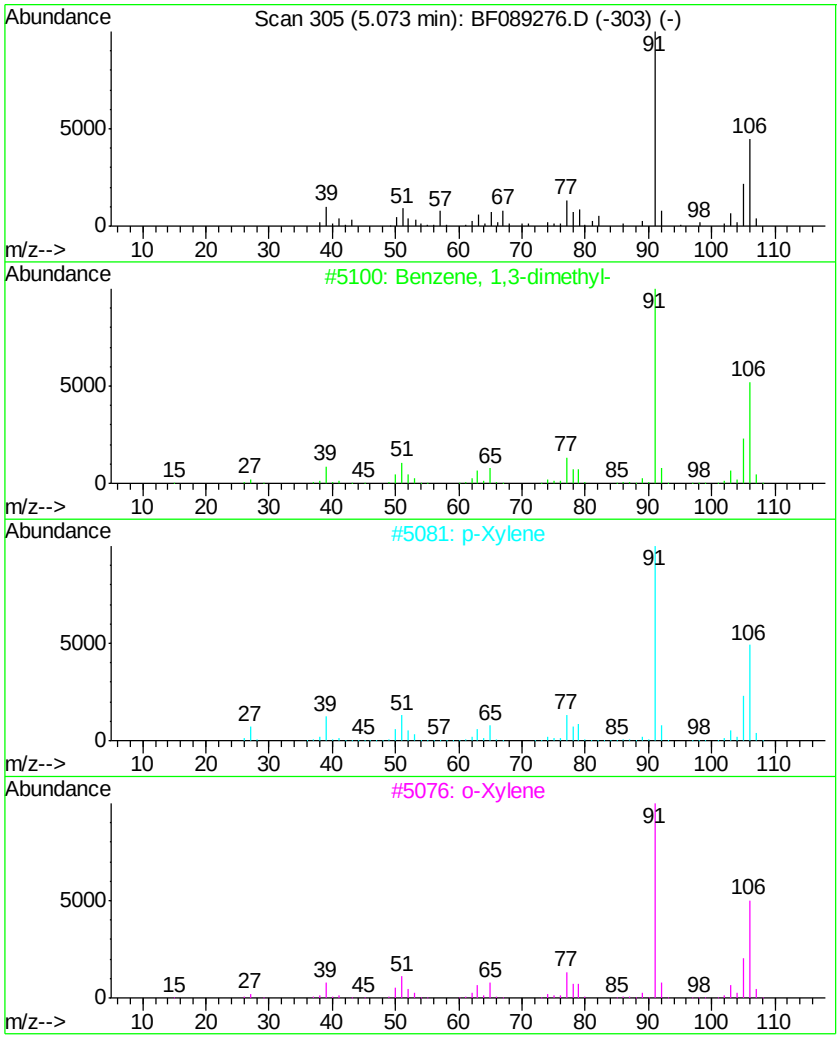
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

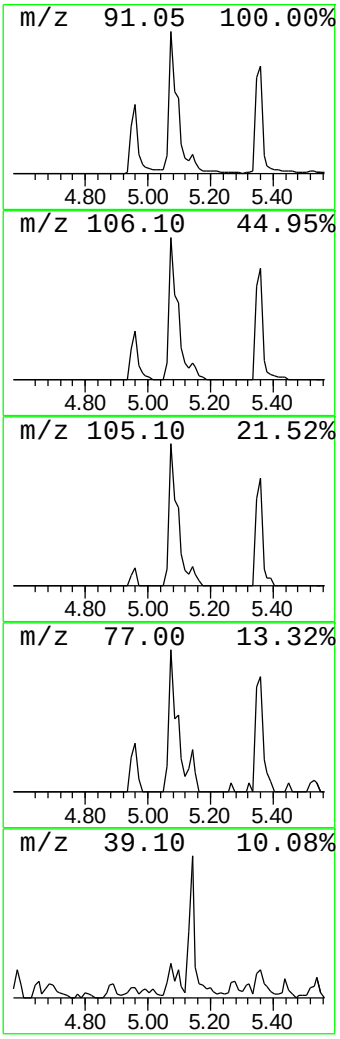
****

Peak Number 2 Benzene, 1,3-dimethyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.07	14.33 ng	257711	1,4-Dichlorobenzene-d4	6.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,3-dimethyl-	106	C8H10	000108-38-3	97
2	p-Xylene	106	C8H10	000106-42-3	97
3	o-Xylene	106	C8H10	000095-47-6	97
4	1,3-Cyclopentadiene, 5-(1-methyl...	106	C8H10	002175-91-9	90
5	Ethylbenzene	106	C8H10	000100-41-4	83





Data Path : Z:\HPCHEM1\BNA F\DATA\BF072516\
Data File : BF089276.D
Acq On : 25 Jul 2016 13:42
Operator : UM/SJ
Sample : H4129-16
Misc :
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Instrument : BNA_F
ClientSampleId : KMW-04-0.2-2.0

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF072016.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST11.L
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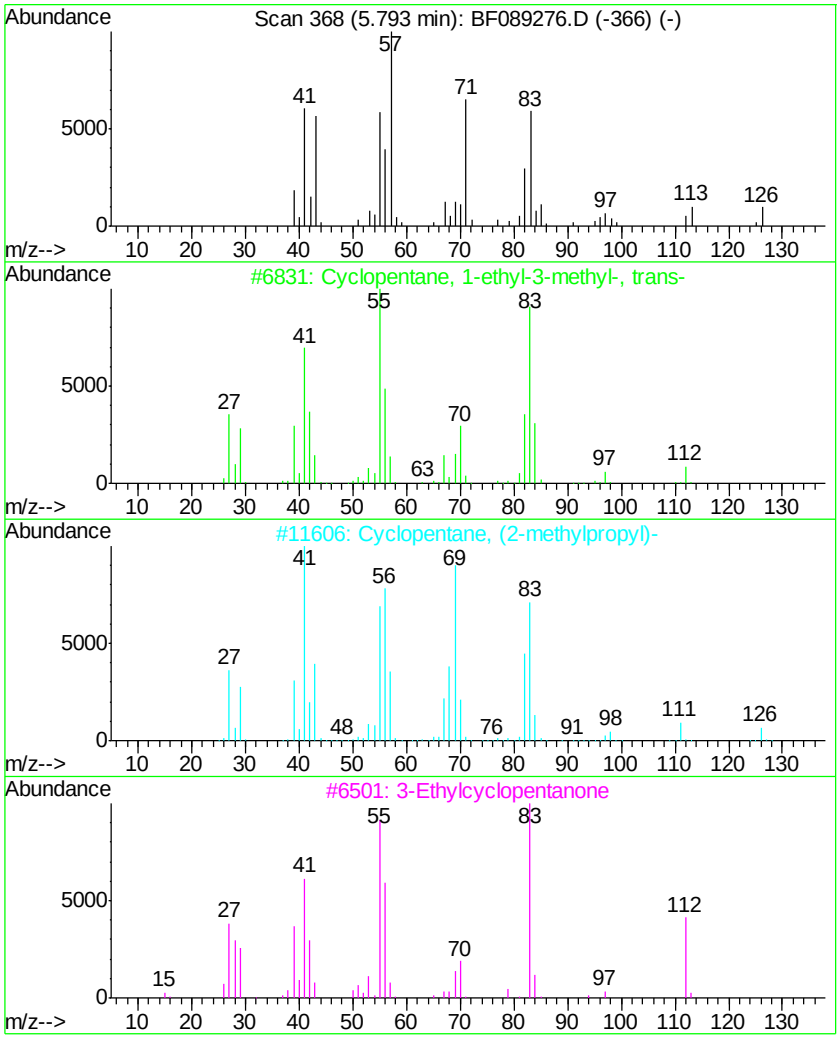
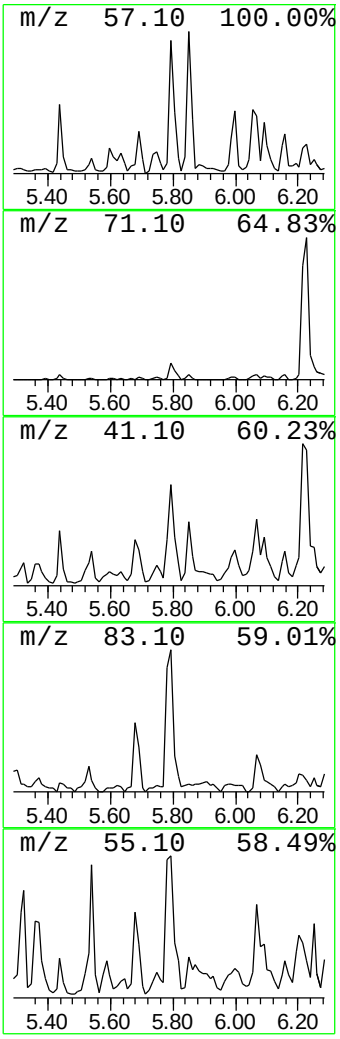
****

Peak Number 3 unknown5.79 Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.79	11.43 ng	205592	1,4-Dichlorobenzene-d4	6.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, 1-ethyl-3-methyl-,...	112	C8H16	002613-65-2	46
2	Cyclopentane, (2-methylpropyl)-	126	C9H18	003788-32-7	46
3	3-Ethylcyclopentanone	112	C7H12O	010264-55-8	38
4	Sulfurous acid, 2-ethylhexyl iso...	278	C14H30O3S	1000309-19-0	27
5	Cyclohexane, ethyl-	112	C8H16	001678-91-7	25





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ClientSampleId : KMW-04-0.2-2.0

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF072016.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

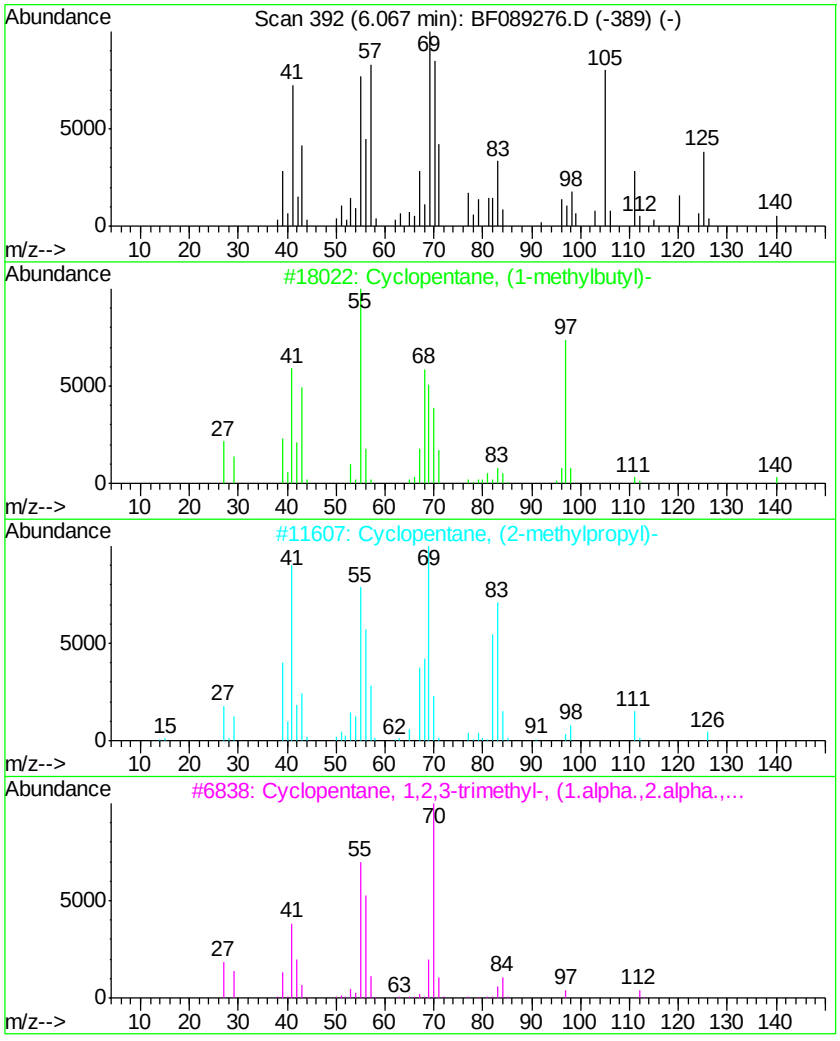
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

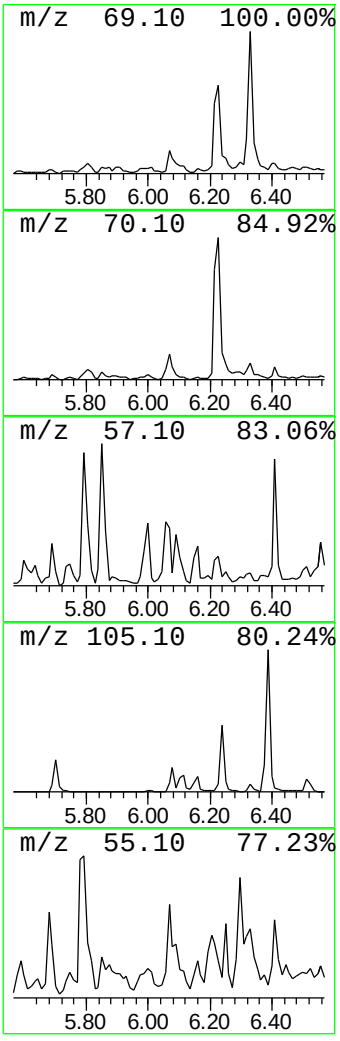
****

Peak Number 4 Cyclopentane, (1-methylbutyl)- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.07	17.85 ng	320978	1,4-Dichlorobenzene-d4	6.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, (1-methylbutyl)-	140	C10H20	004737-43-3	58
2	Cyclopentane, (2-methylpropyl)-	126	C9H18	003788-32-7	30
3	Cyclopentane, 1,2,3-trimethyl-, ...	112	C8H16	002613-69-6	30
4	1-Hexene, 3,3-dimethyl-	112	C8H16	003404-77-1	25
5	2-Pentene, 3-ethyl-	98	C7H14	000816-79-5	25





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Misc :
ALS Vial : 8 Sample Multiplier: 1

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ClientSampleId : KMW-04-0.2-2.0

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF072016.M
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TIC Library : C:\Database\NIST11.L
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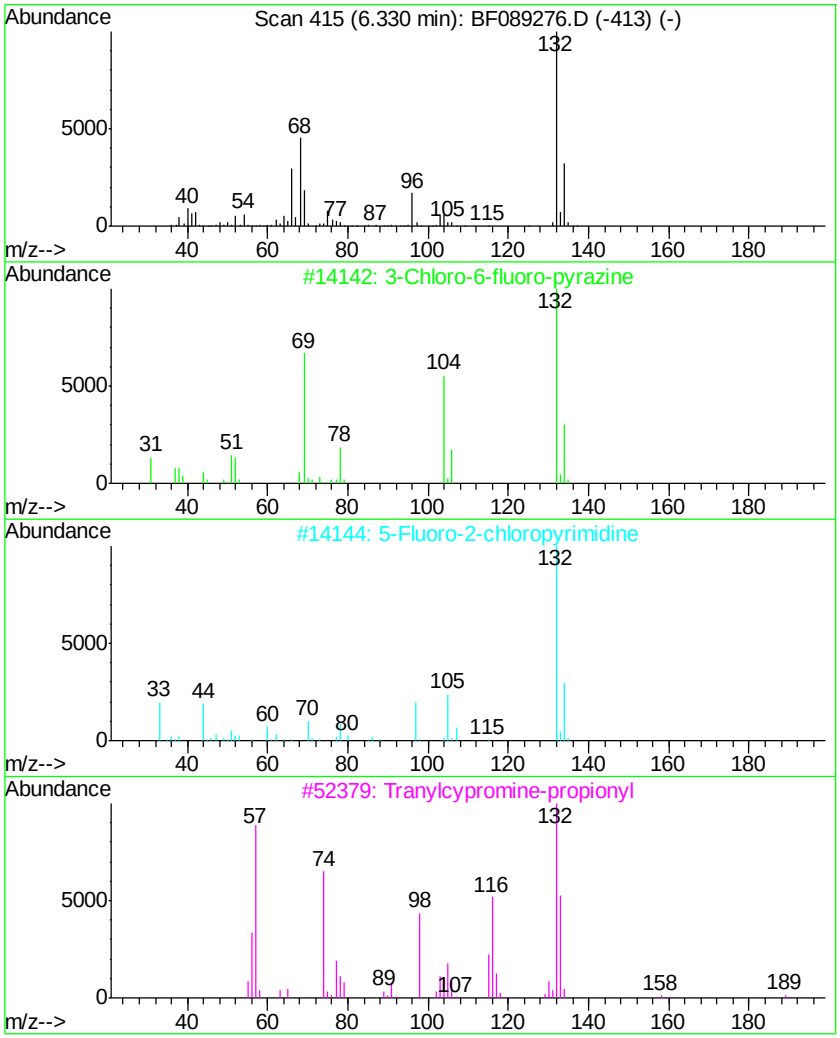
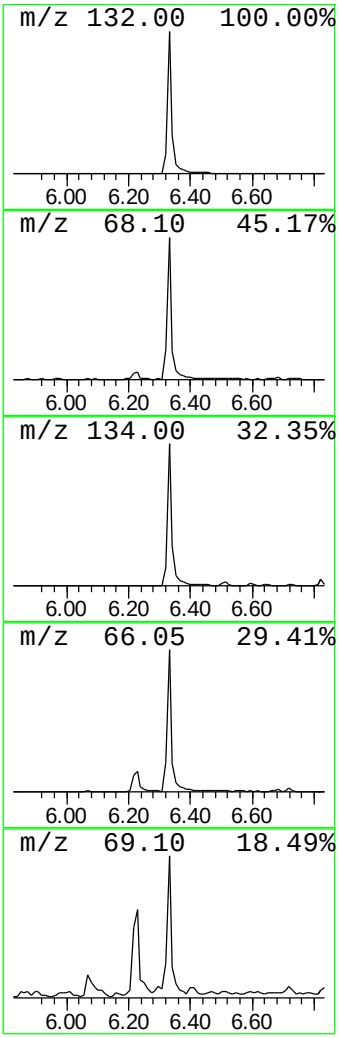
****

Peak Number 5 unknown6.33 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.33	71.25 ng	1281400	1,4-Dichlorobenzene-d4	6.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	27
2	5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	12
3	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	10
4	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	9
5	Bicyclo[4.2.0]octa-1,3,5-triene,...	132	C10H12	028749-81-7	9





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Sample : H4129-16
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : KMW-04-0.2-2.0

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF072016.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

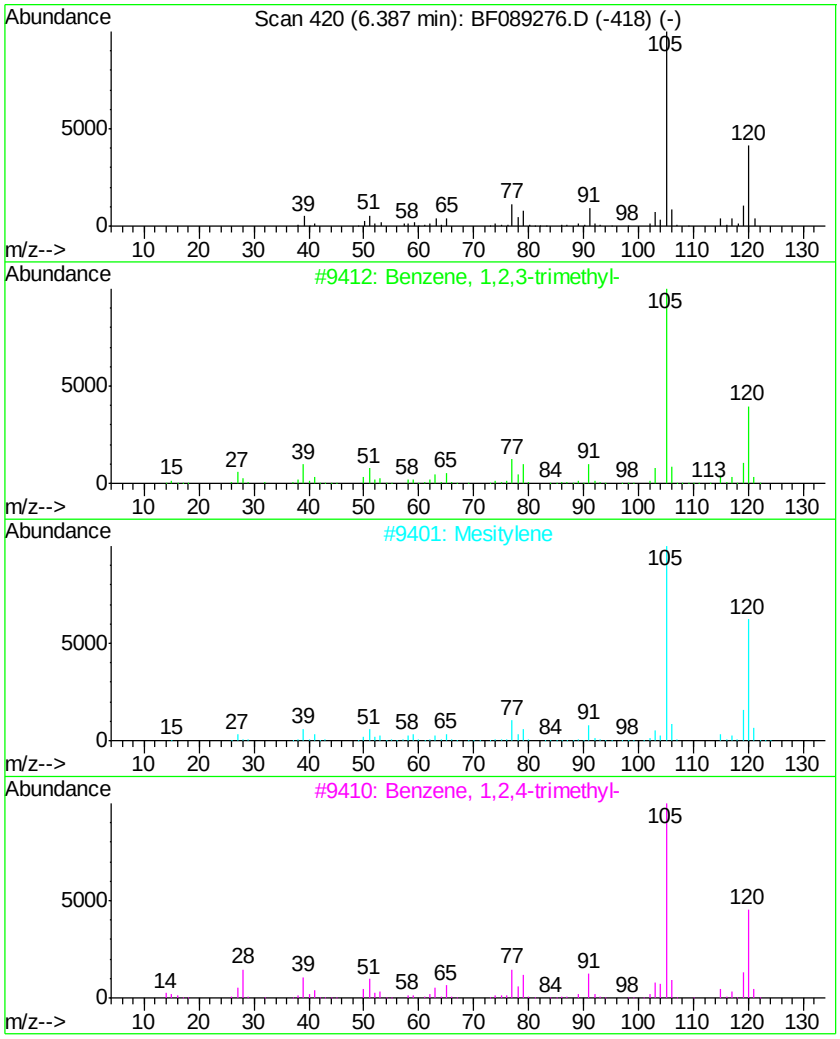
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

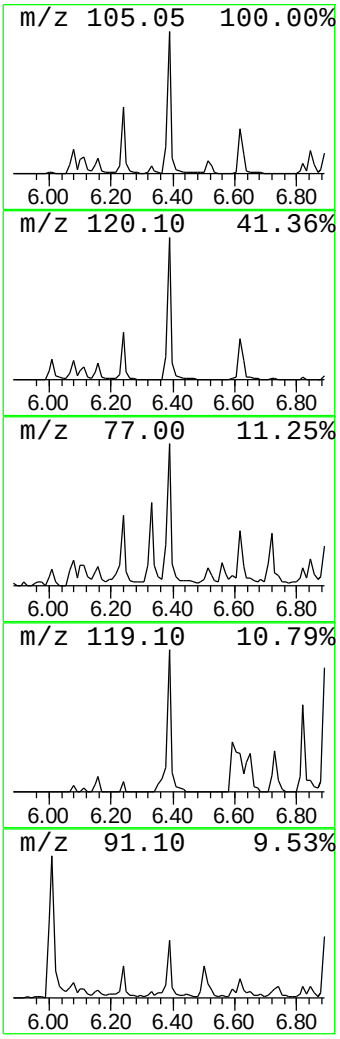
****

Peak Number 6 Benzene, 1,2,3-trimethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.39	25.26 ng	454233	1,4-Dichlorobenzene-d4	6.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	95
2	Mesitylene	120	C9H12	000108-67-8	94
3	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	94
4	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	90
5	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	90





Data Path : Z:\HPCHEM1\BNA F\DATA\BF072516\
Data File : BF089276.D
Acq On : 25 Jul 2016 13:42
Operator : UM/SJ
Sample : H4129-16
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : KMW-04-0.2-2.0

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF072016.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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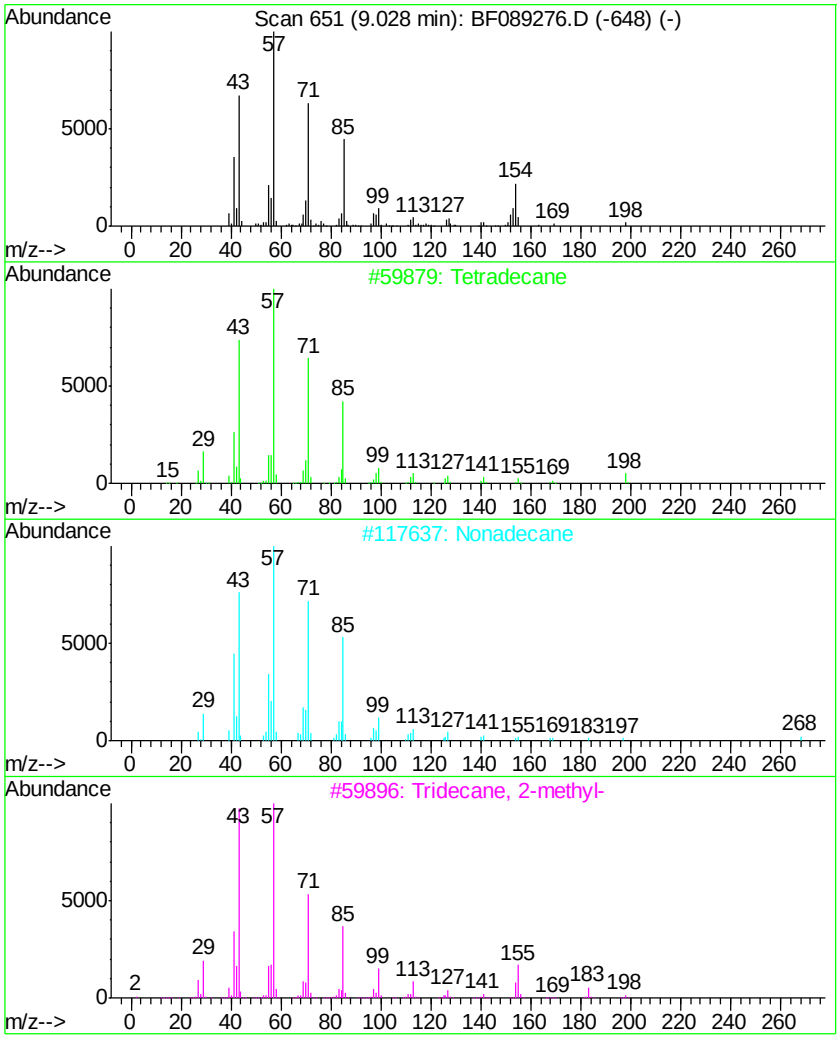
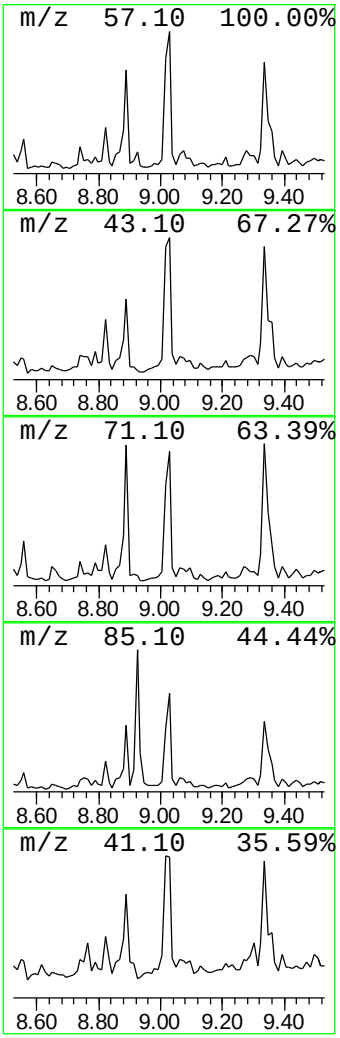
Peak Number 8 Tetradecane Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.03	12.40 ng	353303	Acenaphthene-d10	9.59

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tetradecane	198	C14H30	000629-59-4	89
2	Nonadecane	268	C19H40	000629-92-5	62
3	Tridecane, 2-methyl-	198	C14H30	001560-96-9	58
4	Decane, 2,4,6-trimethyl-	184	C13H28	062108-27-4	53
5	Pentadecane	212	C15H32	000629-62-9	49





Library Search Compound Report

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Data File : BF089276.D
Acq On : 25 Jul 2016 13:42
Operator : UM/SJ
Sample : H4129-16
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : KMW-04-0.2-2.0

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF072016.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

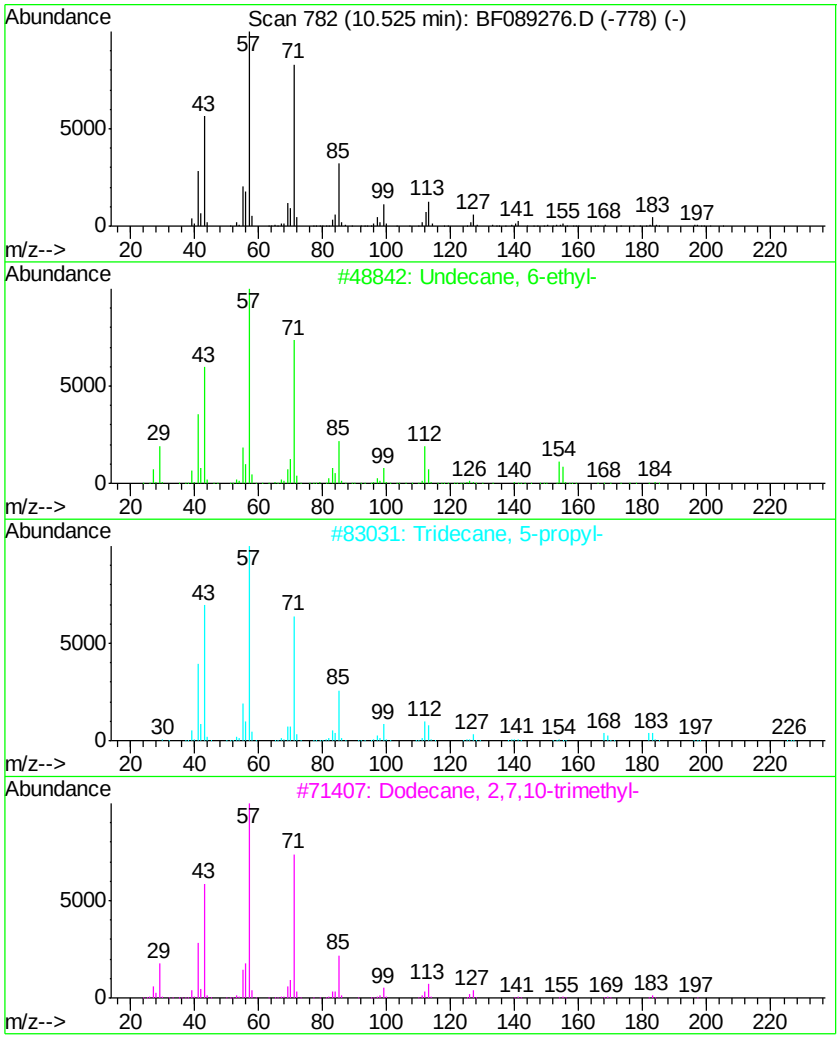
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

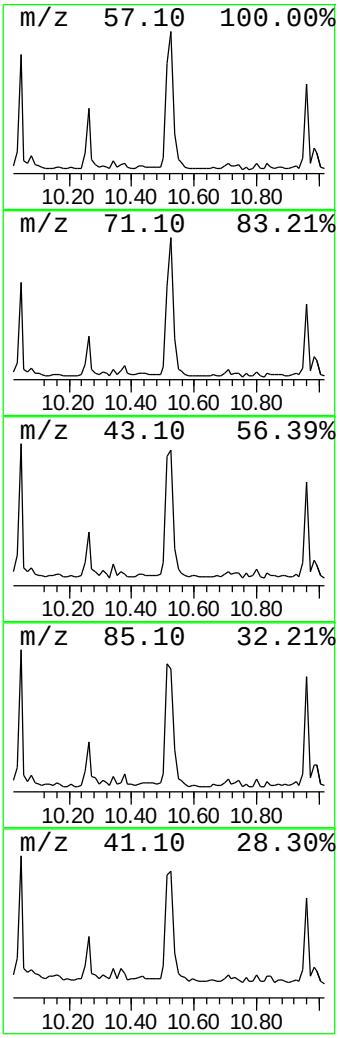
****

Peak Number 9 Undecane, 6-ethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.52	16.82 ng	622883	Phenanthrene-d10	11.06

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Undecane, 6-ethyl-	184	C13H28	017312-60-6	90
2	Tridecane, 5-propyl-	226	C16H34	055045-11-9	90
3	Dodecane, 2,7,10-trimethyl-	212	C15H32	074645-98-0	86
4	Sulfurous acid, 2-ethylhexyl non...	320	C17H36O3S	1000309-19-2	83
5	Dodecane, 4,6-dimethyl-	198	C14H30	061141-72-8	72





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Data File : BF089276.D
Acq On : 25 Jul 2016 13:42
Operator : UM/SJ
Sample : H4129-16
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : KMW-04-0.2-2.0

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF072016.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

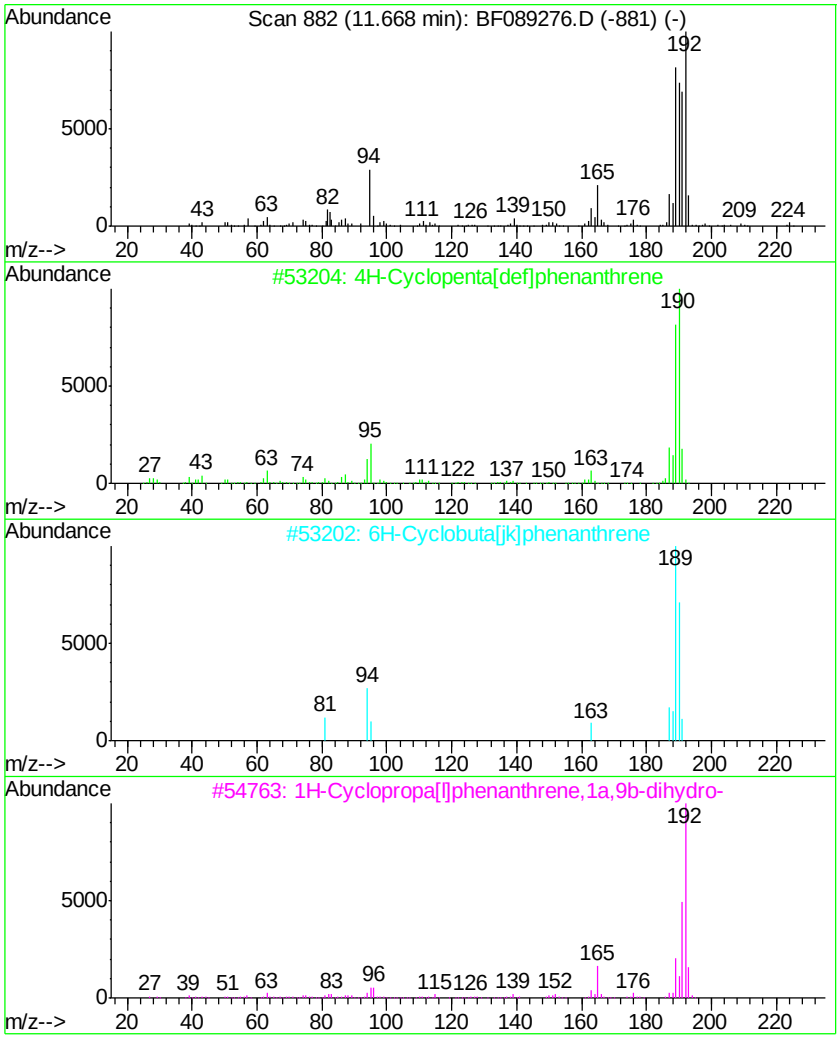
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

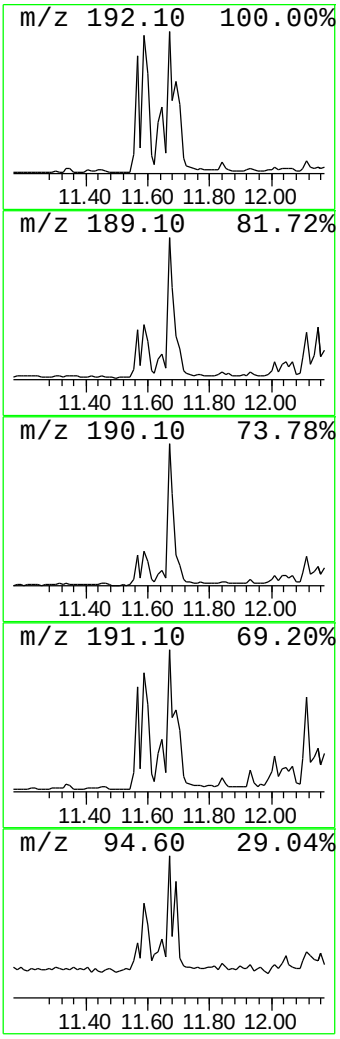
****

Peak Number 10 4H-Cyclopenta[def]phenanthrene Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.67	12.58 ng	465788	Phenanthrene-d10	11.06

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	55
2	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	49
3	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	46
4	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	46
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	46





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Data File : BF089276.D
Acq On : 25 Jul 2016 13:42
Operator : UM/SJ
Sample : H4129-16
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : KMW-04-0.2-2.0

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF072016.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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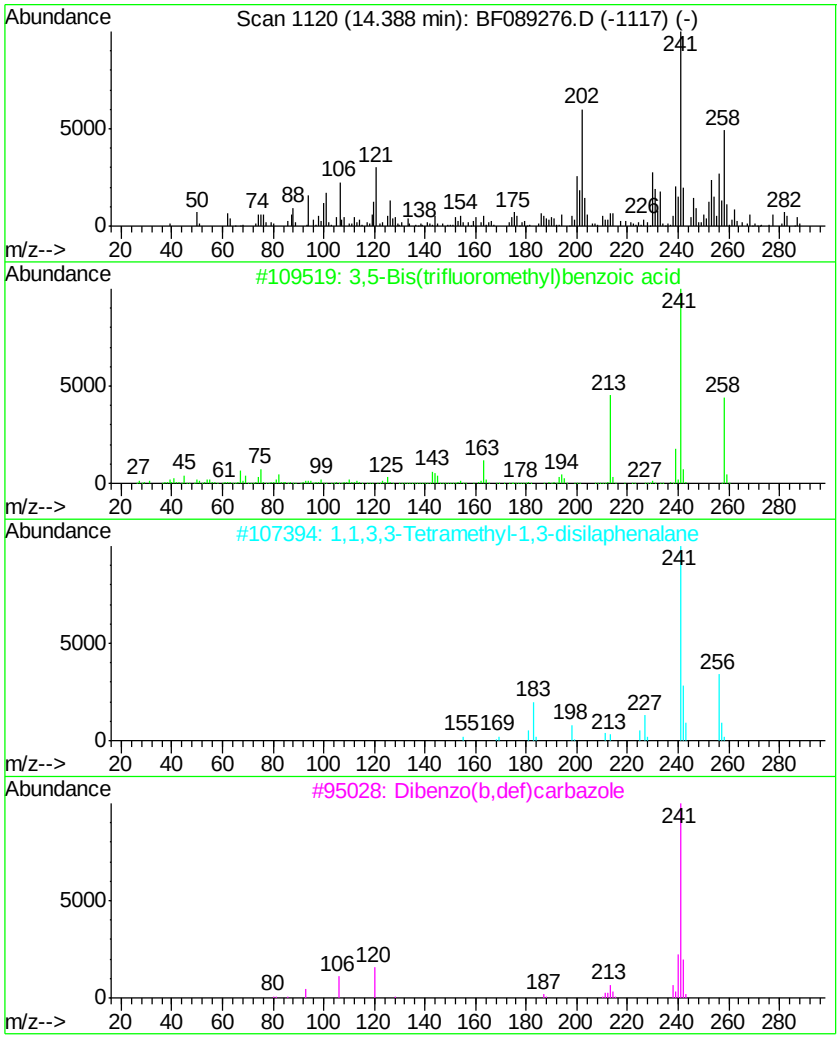
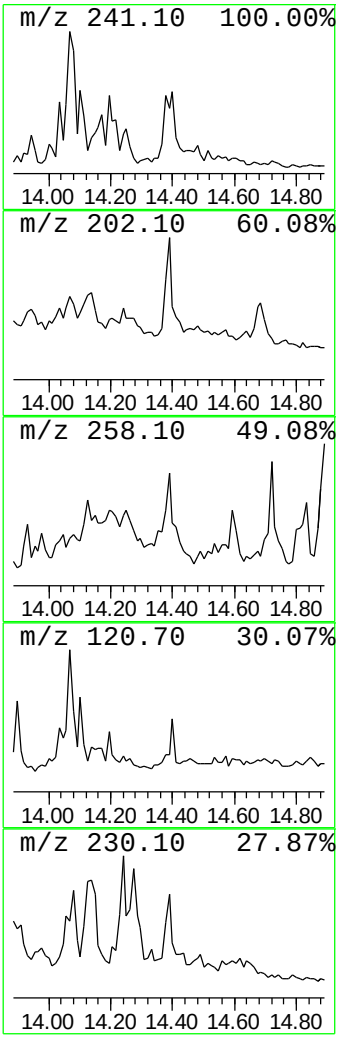
Peak Number 11 unknown14.39 Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.39	14.71 ng	186811	Perylene-d12	15.04

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3,5-Bis(trifluoromethyl)benzoic ...	258	C9H4F6O2	000725-89-3	38
2	1,1,3,3-Tetramethyl-1,3-disilaph...	256	C15H20Si2	032538-51-5	38
3	Dibenzo(b,def)carbazole	241	C18H11N	104313-09-9	30
4	Bisphenol C	256	C17H20O2	000079-97-0	25
5	Pyrazine, 2,5-bis(trimethylsilyl...	256	C10H20N2O2Si2	1000151-99-8	25





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Data File : BF089276.D
Acq On : 25 Jul 2016 13:42
Operator : UM/SJ
Sample : H4129-16
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : KMW-04-0.2-2.0

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF072016.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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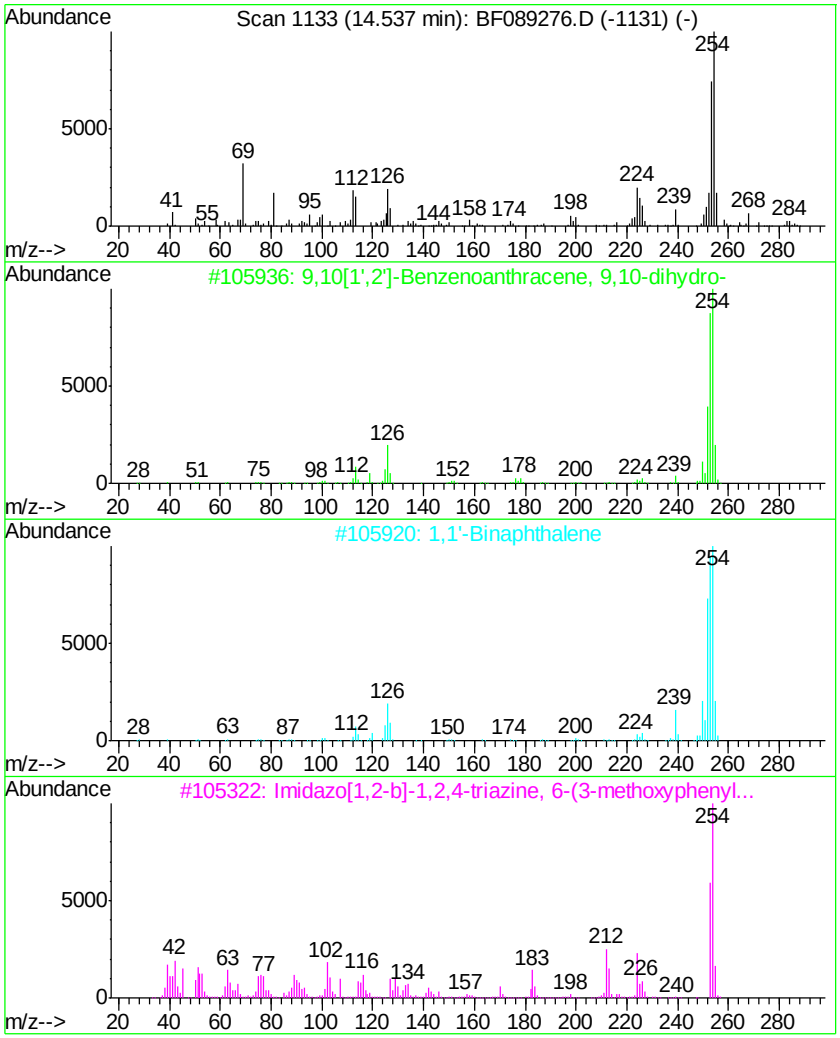
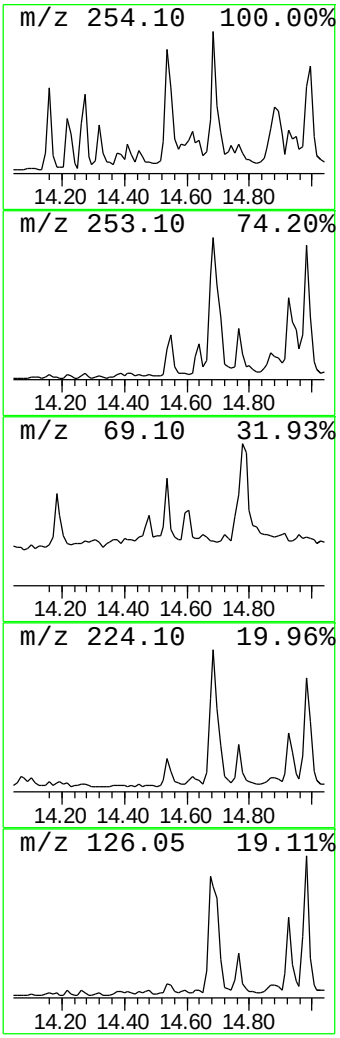
Peak Number 12 9,10[1',2']-Benzenoanthrace... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.54	13.21 ng	167754	Perylene-d12	15.04

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10[1',2']-Benzenoanthracene, 9...	254	C20H14	000477-75-8	81
2	1,1'-Binaphthalene	254	C20H14	000604-53-5	74
3	Imidazo[1,2-b]-1,2,4-triazine, 6...	254	C14H14N4O	1000277-24-4	64
4	4,5-Dihydrobenzo[e]pyrene	254	C20H14	095676-42-9	64
5	1,2'-Binaphthalene	254	C20H14	004325-74-0	64





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Operator : UM/SJ
Sample : H4129-16
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : KMW-04-0.2-2.0

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF072016.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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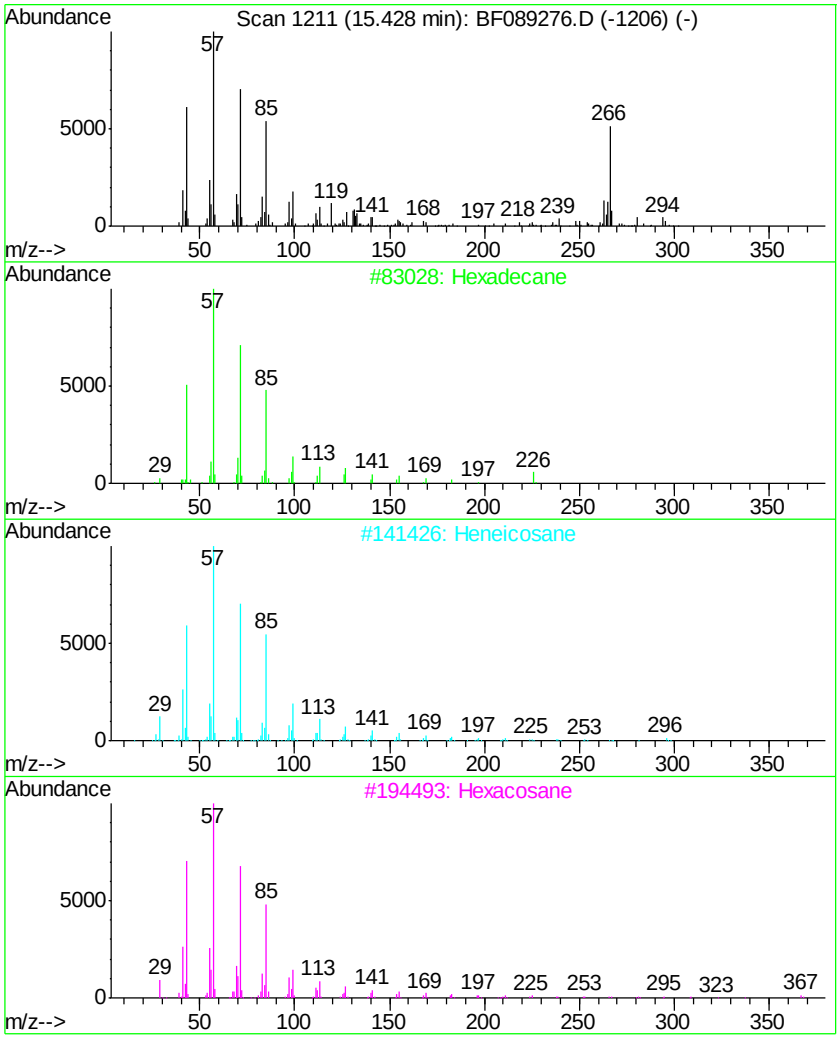
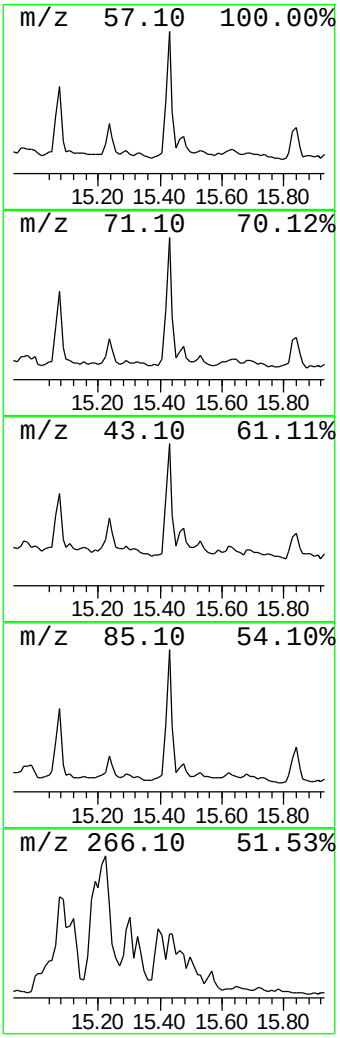
Peak Number 15 Hexadecane Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.43	15.50 ng	196810	Perylene-d12	15.04

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecane	226	C16H34	000544-76-3	62
2	Heneicosane	296	C21H44	000629-94-7	46
3	Hexacosane	366	C26H54	000630-01-3	41
4	Octacosane	394	C28H58	000630-02-4	41
5	Eicosane, 7-hexyl-	366	C26H54	055333-99-8	38





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Acq On : 25 Jul 2016 13:42
Operator : UM/SJ
Sample : H4129-16
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : KMW-04-0.2-2.0

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF072016.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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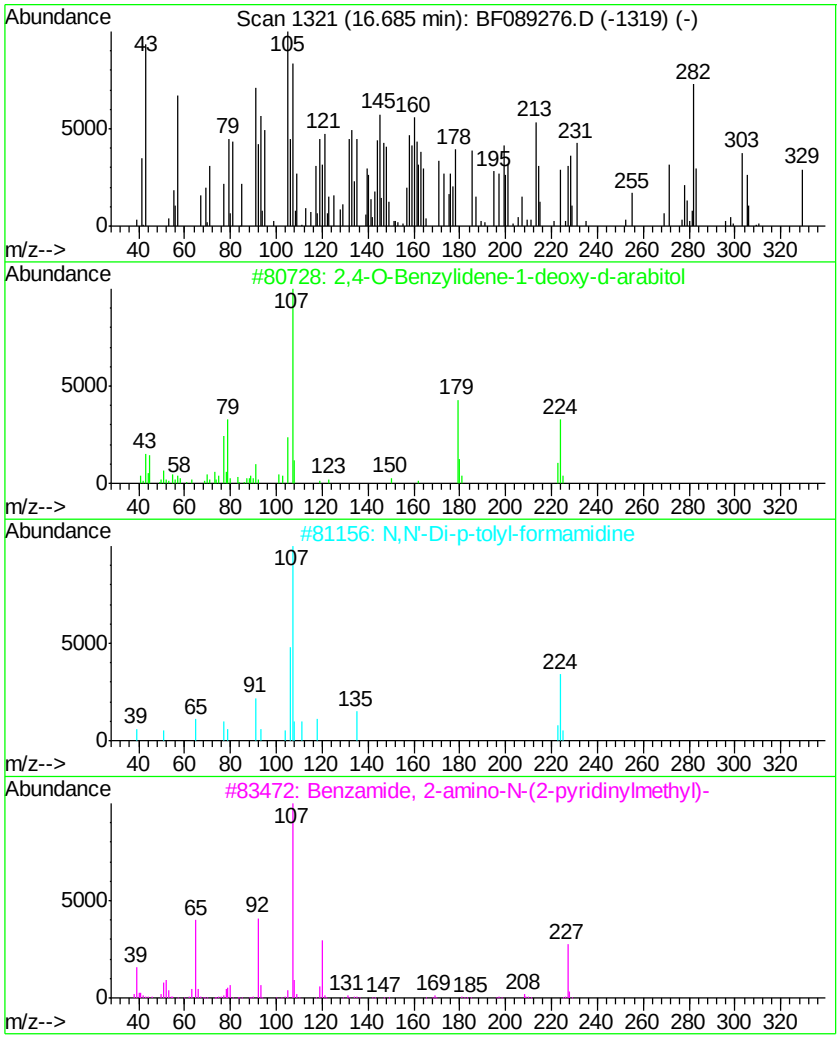
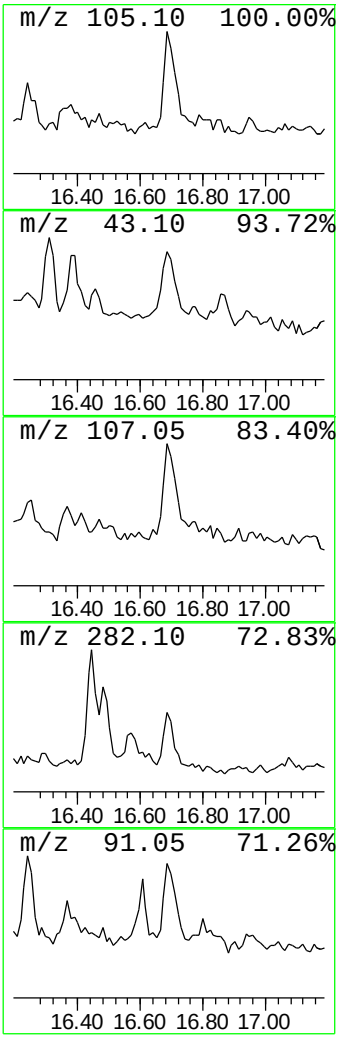
Peak Number 17 unknown16.69 Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.69	14.81 ng	188122	Perylene-d12	15.04

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,4-O-Benzylidene-1-deoxy-d-arab...	224	C12H16O4	1000126-24-5	14
2	N,N'-Di-p-tolyl-formamidine	224	C15H16N2	016596-03-5	14
3	Benzamide, 2-amino-N-(2-pyridinyl...	227	C13H13N3O	1000337-50-9	11
4	1,6-Dimethylhepta-1,3,5-triene	122	C9H14	1000196-61-0	11
5	p-Propionotoluidide	163	C10H13NO	002759-55-9	11





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Sample : H4129-16
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : KMW-04-0.2-2.0

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF072016.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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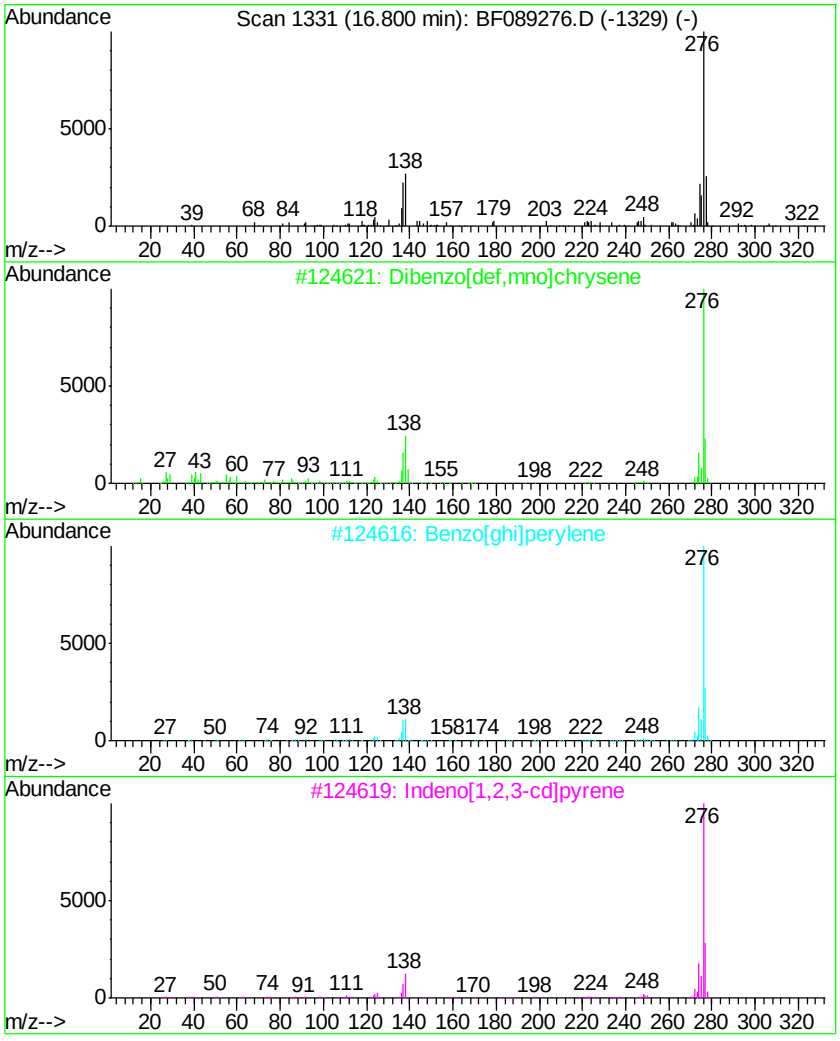
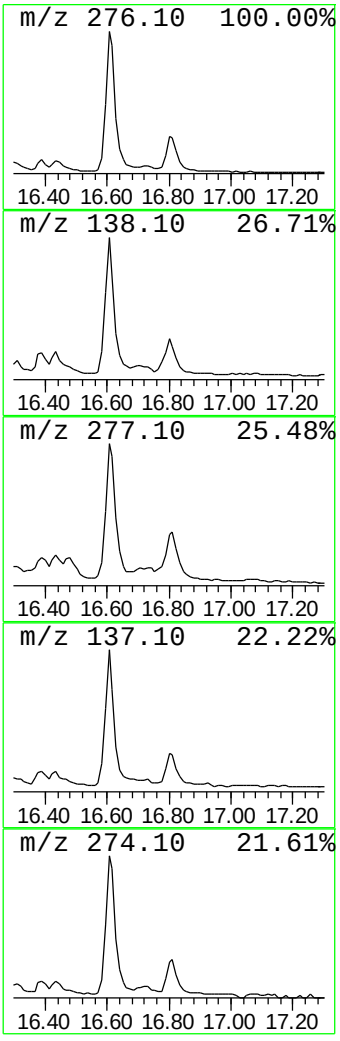
Peak Number 18 Dibenzo[def,mno]chrysene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.80	15.51 ng	196990	Perylene-d12	15.04

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzo[def,mno]chrysene	276	C22H12	000191-26-4	93
2	Benzo[ghi]perylene	276	C22H12	000191-24-2	93
3	Indeno[1,2,3-cd]pyrene	276	C22H12	000193-39-5	91
4	Indeno[1,2,3-cd]fluoranthene	276	C22H12	000193-43-1	74
5	2-Amino-3-cyano-4,5-diphenylthio...	276	C17H12N2S	042160-34-9	47





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Sample : H4129-16
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : KMW-04-0.2-2.0

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF072016.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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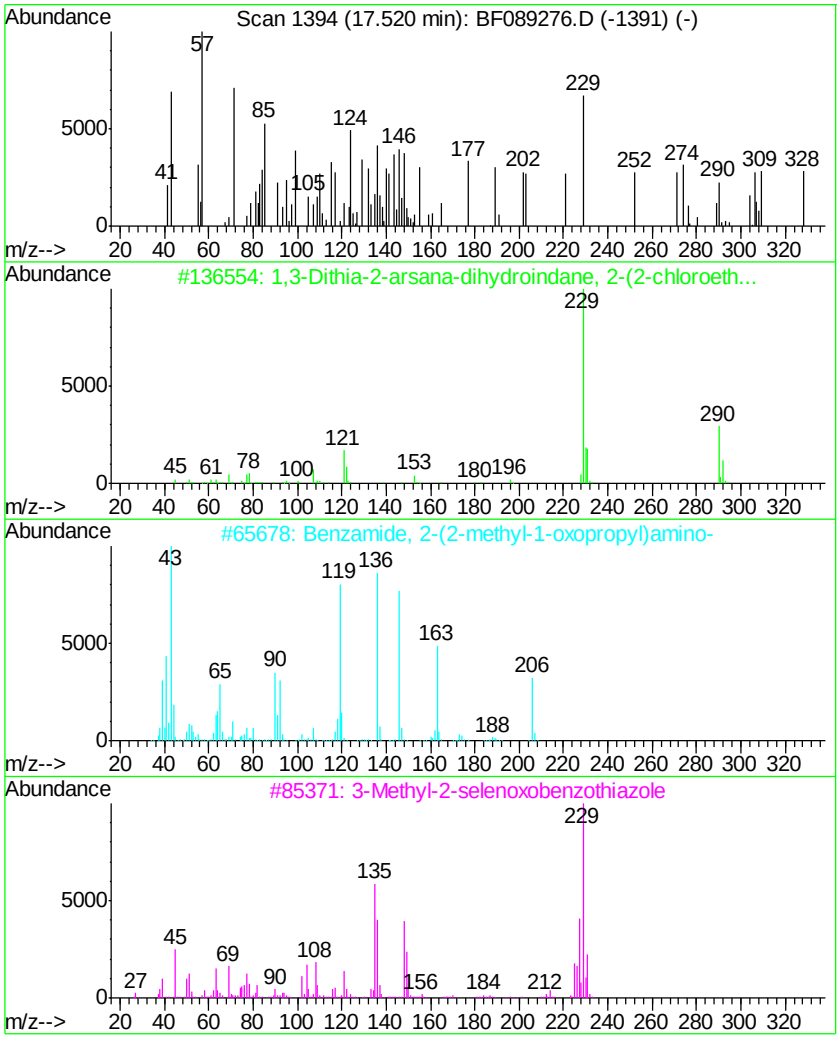
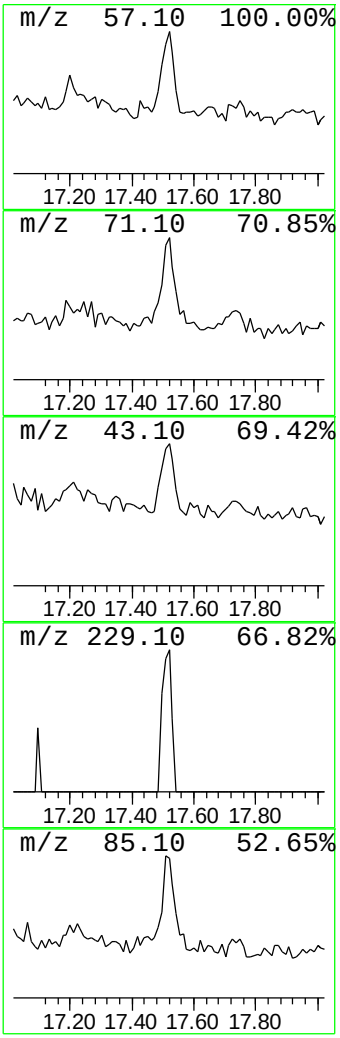
Peak Number 19 unknown17.52 Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.52	14.78 ng	187678	Perylene-d12	15.04

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,3-Dithia-2-arsana-dihydroindan...	290	C9H8AsClS2	1000314-29-7	10
2	Benzamide, 2-(2-methyl-1-oxoprop...	206	C11H14N2O2	059525-15-4	10
3	3-Methyl-2-selenoxobenzothiazole	229	C8H7NSSe	002786-43-8	9
4	Benzoic acid, 2-trifluoroacetylt...	364	C15H19F3O3SSi	1000375-19-8	7
5	5,7-Diphenyl-5H-thiazolo[3,2-a]p...	306	C18H14N2OS	138429-06-8	7





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Sample : H4129-16
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : KMW-04-0.2-2.0

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF072016.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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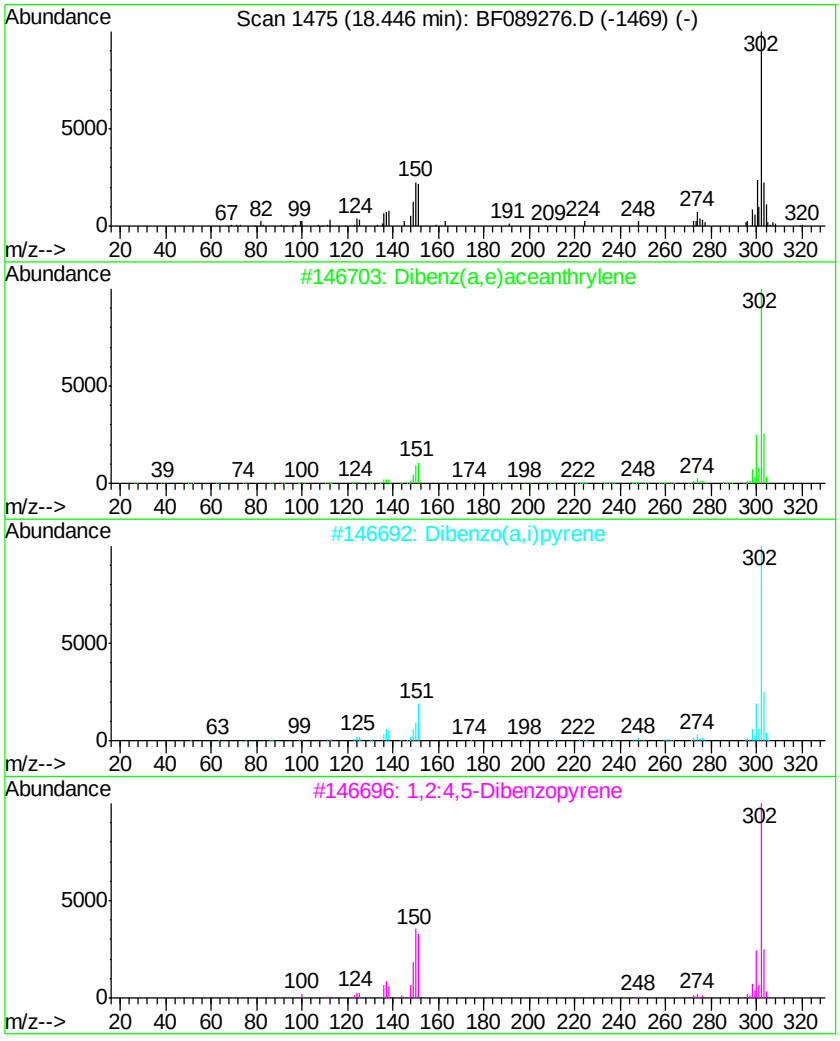
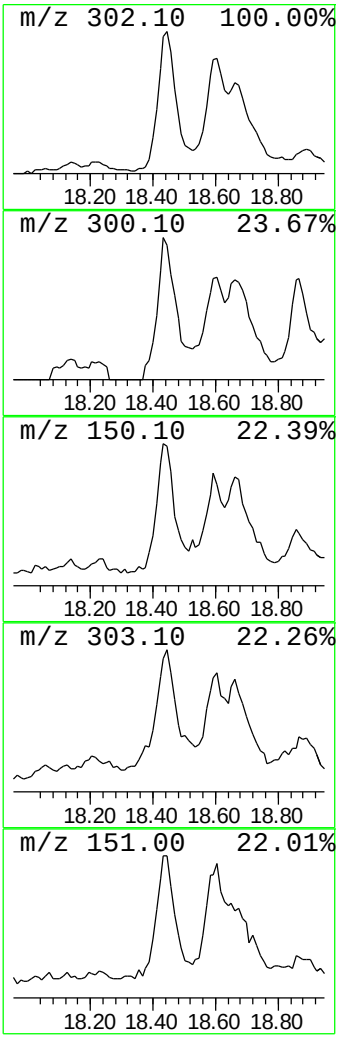
Peak Number 20 Dibenz(a,e)aceanthrylene Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.45	11.98 ng	152091	Perylene-d12	15.04

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenz(a,e)aceanthrylene	302	C24H14	005385-75-1	95
2	Dibenzo(a,i)pyrene	302	C24H14	000189-55-9	95
3	1,2:4,5-Dibenzopyrene	302	C24H14	000192-65-4	94
4	Indeno[1,2,3-fg]naphthacene	302	C24H14	000203-11-2	94
5	1,2,9,10-Dibenzopyrene	302	C24H14	000191-30-0	76





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF072516\
Data File : BF089276.D
Acq On : 25 Jul 2016 13:42
Operator : UM/SJ
Sample : H4129-16
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : KMW-04-0.2-2.0

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF072016.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT 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
Benzene, 1,3-dime...	5.07	14.3	ng	257711	1	6.56	359712	20.0
unknown5.79	5.79	11.4	ng	205592	1	6.56	359712	20.0
Cyclopentane, (1-...	6.07	17.9	ng	320978	1	6.56	359712	20.0
unknown6.33	6.33	71.3	ng	1281400	1	6.56	359712	20.0
Benzene, 1,2,3-tr...	6.39	25.3	ng	454233	1	6.56	359712	20.0
Tetradecane	9.03	12.4	ng	353303	3	9.59	569868	20.0
Undecane, 6-ethyl-	10.52	16.8	ng	622883	4	11.06	740708	20.0
4H-Cyclopenta[def...	11.67	12.6	ng	465788	4	11.06	740708	20.0
unknown14.39	14.39	14.7	ng	186811	6	15.04	253990	20.0
9,10[1',2']-Benze...	14.54	13.2	ng	167754	6	15.04	253990	20.0
Hexadecane	15.43	15.5	ng	196810	6	15.04	253990	20.0
unknown16.69	16.69	14.8	ng	188122	6	15.04	253990	20.0
Dibenzo[def,mno]c...	16.80	15.5	ng	196990	6	15.04	253990	20.0
unknown17.52	17.52	14.8	ng	187678	6	15.04	253990	20.0
Dibenz(a,e)aceant...	18.45	12.0	ng	152091	6	15.04	253990	20.0