LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF060816\
Data File : BF087823.D
Acq On : 8 Jun 2016 21:47
Operator : UM/SJ
Sample : H3379-12 2X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SS-8

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-BF060716.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	1.758	14	15	24	rVB	93186	169465	6.78%	0.507%
2	1.884	24	26	38	rVB	1634897	2500671	100.00%	7.488%
3	4.993	295	298	302	rBV	82946	99730	3.99%	0.299%
4	5.416	332	335	337	rVB	1355023	1243154	49.71%	3.722%
5	6.456	423	426	428	rBV	1323986	1224619	48.97%	3.667%
6	6.593	435	438	440	rBV	1464027	1377115	55.07%	4.124%
7	6.822	456	458	461	rBV	762913	787211	31.48%	2.357%
8	6.982	469	472	474	rBV	1292783	1055323	42.20%	3.160%
9	7.393	505	508	510	rBV	586721	802512	32.09%	2.403%
10	8.113	568	571	572	rBV	1411582	1193948	47.75%	3.575%
11	8.136	572	573	575	rVB	71440	50167	2.01%	0.150%
12	8.822	631	633	635	rBV	53014	44092	1.76%	0.132%
13	8.925	640	642	644	rBB	46861	38208	1.53%	0.114%
14	9.187	663	665	668	rVB	1112289	1406026	56.23%	4.210%
15	9.450	686	688	691	rBV	23293	29746	1.19%	0.089%
16	9.530	692	695	696	rBV	44449	46043	1.84%	0.138%
17	9.587	698	700	702	rVB	154865	122106	4.88%	0.366%
18	9.725	710	712	714	rBV	55969	48482	1.94%	0.145%
19	9.873	722	725	726	rBV	1233990	1214412	48.56%	3.636%
20	9.896	726	727	729	rVB	162978	192350	7.69%	0.576%
21	10.068	740	742	744	rVB	111271	116173	4.65%	0.348%
22	10.273	758	760	762	rBV2	16034	31737	1.27%	0.095%
23	10.410	771	772	775	rVB	181317	185685	7.43%	0.556%
24	10.479	775	778	779	rBV	36738	50953	2.04%	0.153%
25	10.548	781	784	785	rVV2	21083	40194	1.61%	0.120%
26	10.570	785	786	789	rVB	61437	57680	2.31%	0.173%
27	10.650	791	793	796	rBV2	624661	783349	31.33%	2.346%
28	10.788	802	805	808	rVB	34348	52866	2.11%	0.158%
29	10.959	817	820	824	rBV3	58372	117601	4.70%	0.352%
30	11.039	824	827	829	rVB2	17853	37487	1.50%	0.112%
31	11.096	829	832	836	rBV2	33078	102881	4.11%	0.308%
32	11.153	836	837	840	rVB	59779	57565	2.30%	0.172%
33	11.211	840	842	843	rBV	38943	69477	2.78%	0.208%
34	11.245	843	845	852	rVB2	94490	126454	5.06%	0.379%

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Sample : H3379-12 2X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SS-8

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-BF060716.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	11.359	852	855	856	rBV	851879	1318918	52.74%	3.949%
36	11.382	856	857	859	rVV	1658392	1175593	47.01%	3.520%
37	11.428	859	861	863	rVV	493141	412791	16.51%	1.236%
38	11.462	863	864	866	rVB	44912	35214	1.41%	0.105%
39	11.588	871	875	876	rBV2	82392	130897	5.23%	0.392%
40	11.656	879	881	882	rBV	40969	38465	1.54%	0.115%
41	11.851	896	898	900	rBV	131877	205076	8.20%	0.614%
42	11.885	900	901	903	rVB	242195	176687	7.07%	0.529%
43	11.931	903	905	906	rBV	123261	113566	4.54%	0.340%
44	11.965	906	908	912	rVB2	320676	437769	17.51%	1.311%
45	12.056	913	916	920	rBV4	25692	67330	2.69%	0.202%
46	12.148	923	924	928	rVB2	126395	214194	8.57%	0.641%
47	12.296	935	937	939	rBV	39786	52516	2.10%	0.157%
48	12.399	944	946	948	rBV	70265	109363	4.37%	0.327%
49	12.445	948	950	952	rVV2	54403	94590	3.78%	0.283%
50	12.491	952	954	957	rVB2	70340	97526	3.90%	0.292%
51	12.571	958	961	963	rVB	1648508	1661789	66.45%	4.976%
52	12.628	963	966	967	rBV2	35855	59078	2.36%	0.177%
53	12.719	970	974	977	rBV3	55550	149452	5.98%	0.448%
54	12.799	977	981	983	rBV2	1197496	1733937	69.34%	5.192%
55	12.845	983	985	988	rVB2	68439	98554	3.94%	0.295%
56	12.914	988	991	992	rBV	106952	130397	5.21%	0.390%
57	12.936	992	993	996	rVB	799728	1079174	43.16%	3.231%
58	13.016	996	1000	1001	rBV2	99079	148860	5.95%	0.446%
59	13.119	1004	1009	1011	rVB2	223178	323981	12.96%	0.970%
60	13.188	1013	1015	1016	rBV	192173	154511	6.18%	0.463%
61	13.222	1016	1018	1020	rVV	160664	173814	6.95%	0.520%
62	13.314	1024	1026	1028	rBV	68518	55024	2.20%	0.165%
63	13.348	1028	1029	1031	rVB2	74068	60503	2.42%	0.181%
64	13.416	1034	1035	1038	rBV3	28949	39516	1.58%	0.118%
65	13.531	1041	1045	1050	rBV4	45186	177961	7.12%	0.533%
66	13.622	1050	1053	1056	rBV2	87952	146971	5.88%	0.440%
67	13.736	1060	1063	1064	rBV	114573	153274	6.13%	0.459%
68	13.771	1064	1066	1067	rVV	106927	150840	6.03%	0.452%
69	13.828	1070	1071	1075	rVB2	56979	116410	4.66%	0.349%
70	13.988	1082	1085	1090	rBV2	1167293	2318360	92.71%	6.942%
71	14.091	1092	1094	1096	rBV2	79795	121837	4.87%	0.365%

LSC Area Percent Report

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Misc :
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Instrument : BNA_F
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Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
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Start Thrs: 0.2 Max Peaks: 100
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Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	14.182	1100	1102	1103	rBV2	36794	57516	2.30%	0.172%
73	14.217	1103	1105	1107	rVB2	50364	67681	2.71%	0.203%
74	14.377	1115	1119	1121	rBV	132855	202763	8.11%	0.607%
75	14.411	1121	1122	1124	rVV	73729	60175	2.41%	0.180%
76	14.468	1125	1127	1128	rVV	68808	74829	2.99%	0.224%
77	14.525	1128	1132	1133	rVB4	50542	125480	5.02%	0.376%
78	14.674	1143	1145	1147	rBV2	46021	72606	2.90%	0.217%
79	15.017	1172	1175	1179	rBV	439963	965580	38.61%	2.891%
80	15.108	1182	1183	1185	rVB	95905	111306	4.45%	0.333%
81	15.302	1197	1200	1203	rVB	245474	354184	14.16%	1.061%
82	15.359	1203	1205	1208	rBV	369247	467718	18.70%	1.400%
83	15.428	1208	1211	1212	rBV	461546	705216	28.20%	2.112%
84	15.565	1221	1223	1227	rBV4	32189	78082	3.12%	0.234%
85	16.514	1304	1306	1312	rVB3	50684	105699	4.23%	0.316%
86	16.811	1329	1332	1336	rVB2	144274	296386	11.85%	0.887%
87	17.223	1365	1368	1375	rBV	104147	240781	9.63%	0.721%
88	17.451	1385	1388	1391	rVB	25732	52527	2.10%	0.157%
89	19.360	1551	1555	1563	rVB2	34885	147970	5.92%	0.443%

Sum of corrected areas: 33396719

LSC Report - Integrated Chromatogram

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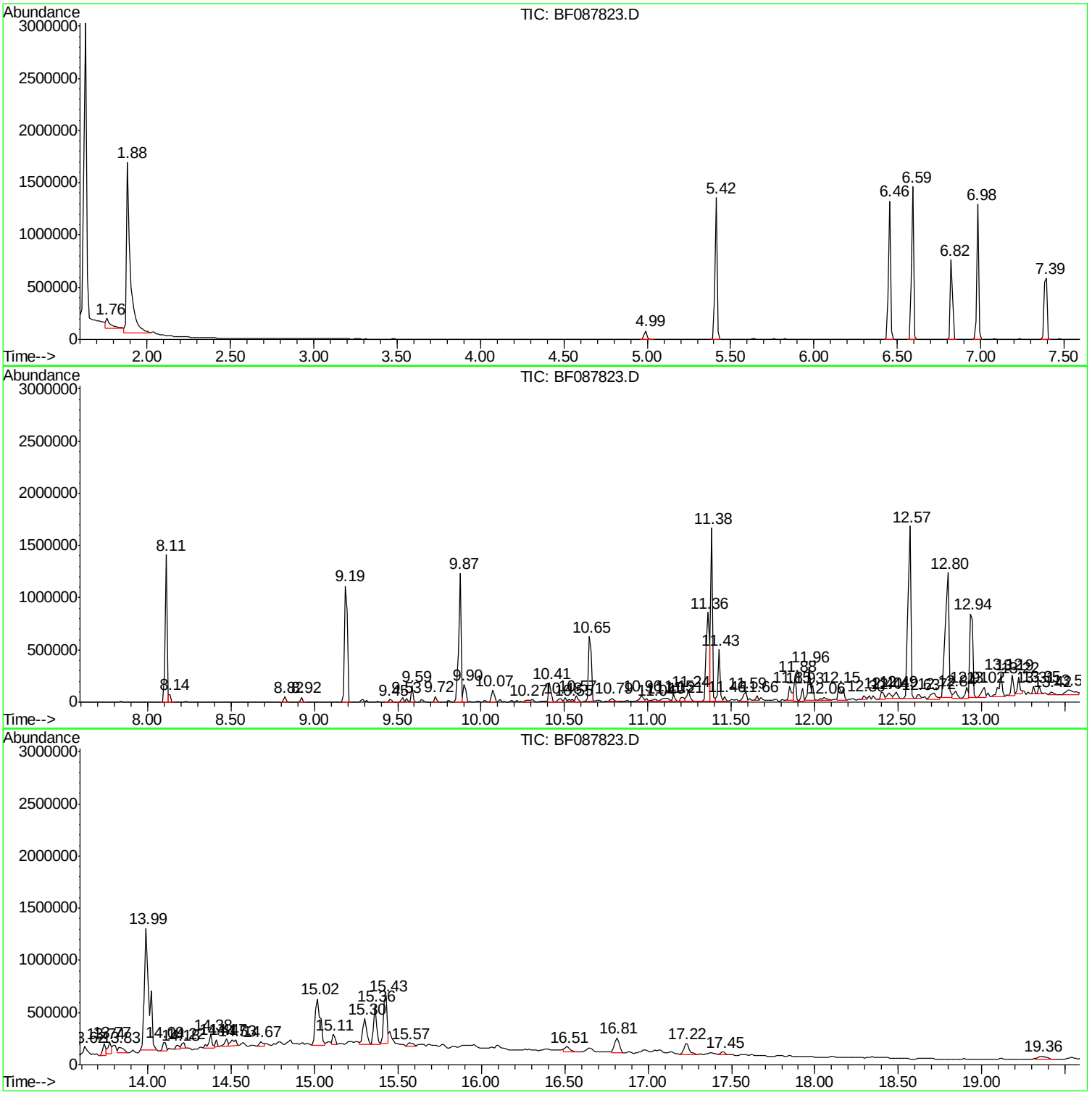
Sample : H3379-12 2X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SS-8

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060716.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Data Path : Z:\HPCHEM1\BNA F\DATA\BF060816\
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Operator : UM/SJ
Sample : H3379-12 2X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SS-8

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060716.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

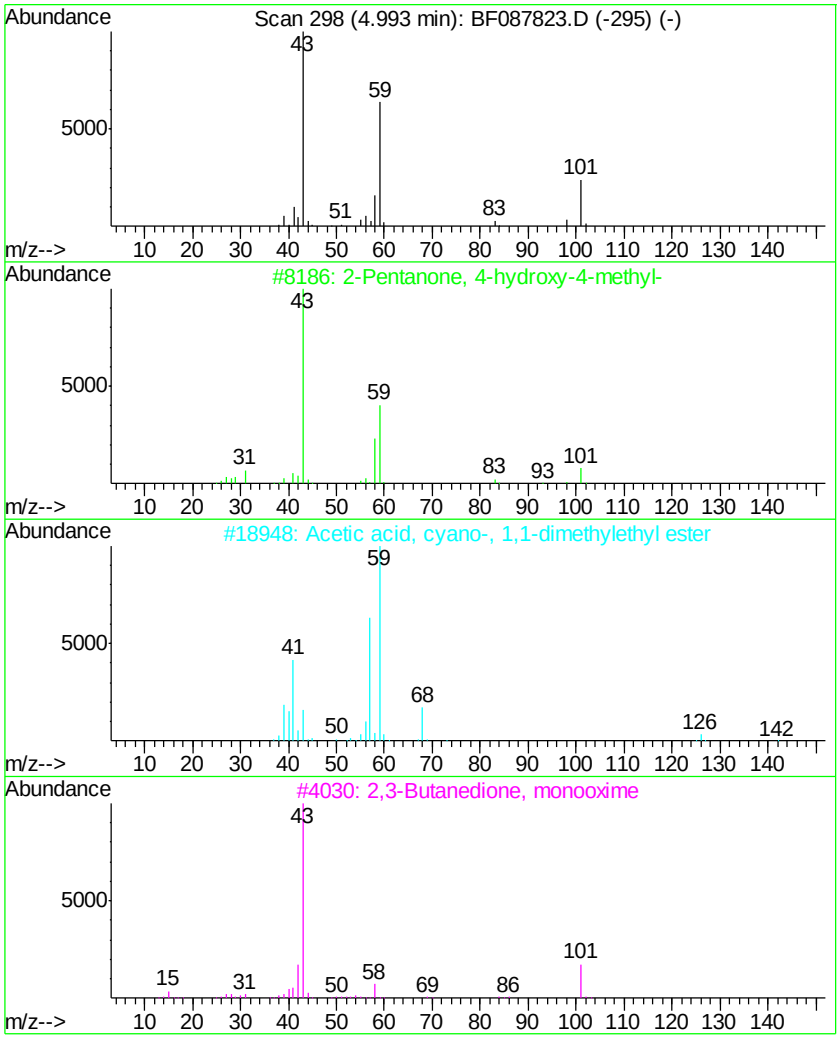
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

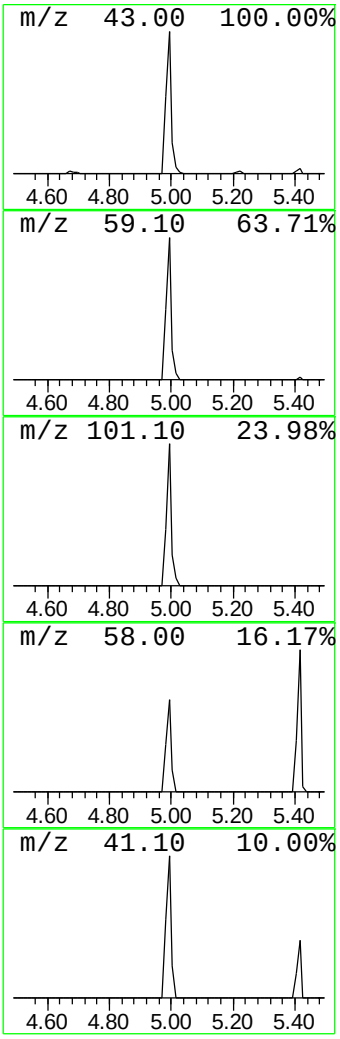
****

Peak Number 3 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.99	2.53 ng	99730	1,4-Dichlorobenzene-d4	6.82

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	56
2	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	17
3	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	9
4	5-Hexen-2-one	98	C6H10O	000109-49-9	9
5	Morpholine, 4-methyl-	101	C5H11NO	000109-02-4	9





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Sample : H3379-12 2X
Misc :
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Instrument : BNA_F
ClientSampleId : SS-8

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060716.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

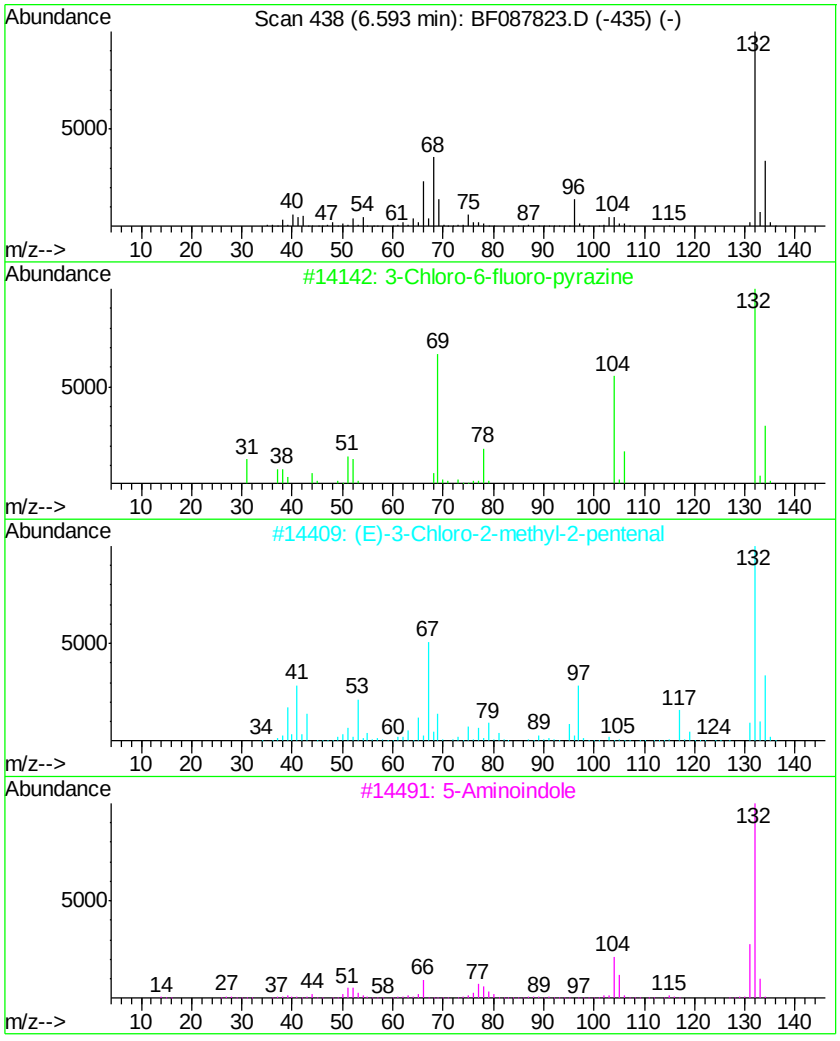
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

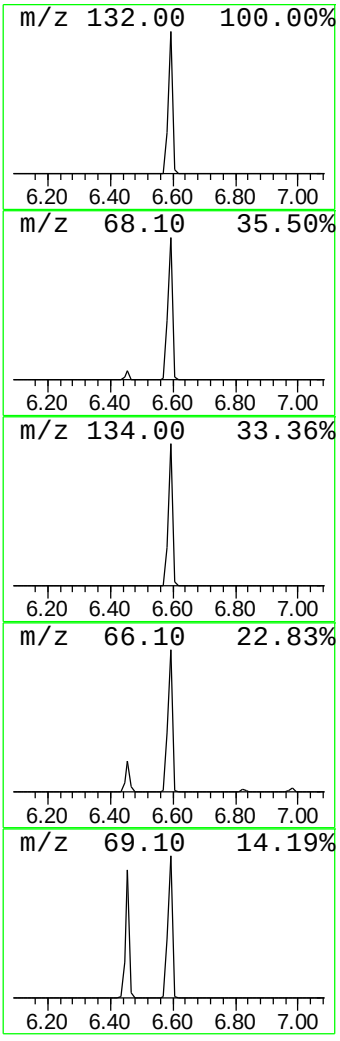
****

Peak Number 4 unknown6.59 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.59	34.99 ng	1377120	1,4-Dichlorobenzene-d4	6.82

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	25
3	5-Aminoindole	132	C8H8N2	005192-03-0	12
4	Xenon	132	Xe	007440-63-3	9
5	4-Chloro-6-fluoro-pyrimidine	132	C4H2ClFN2	051422-01-6	9





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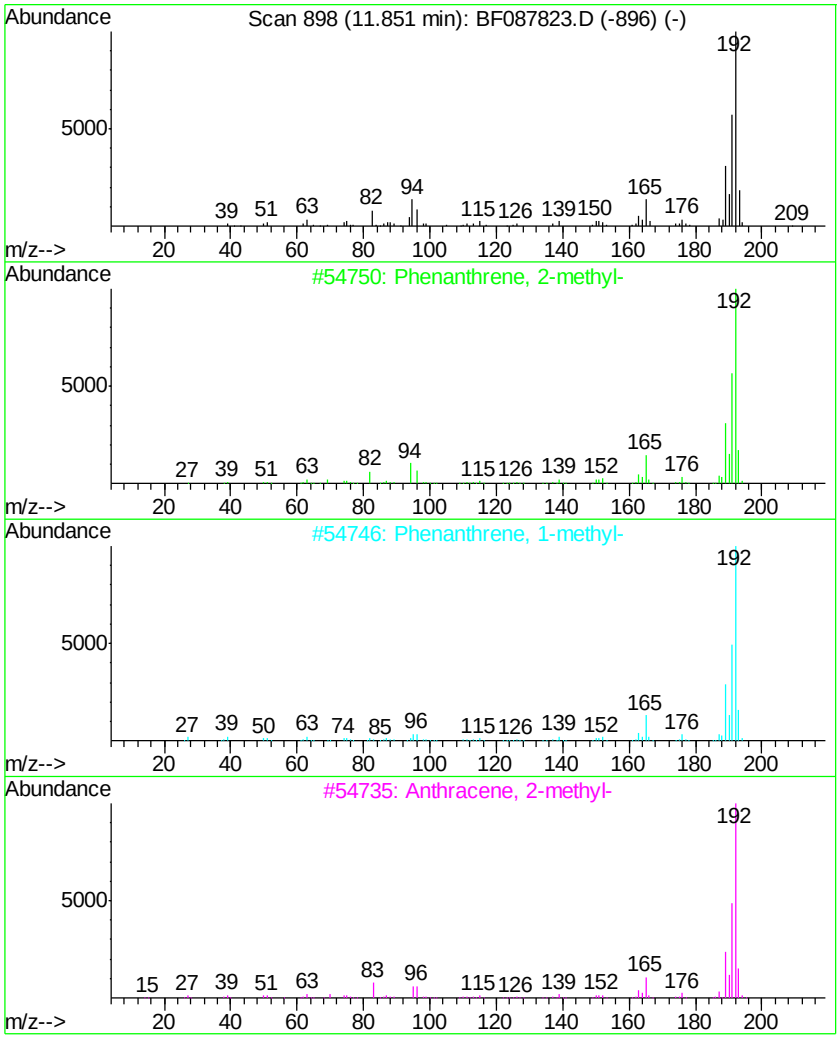
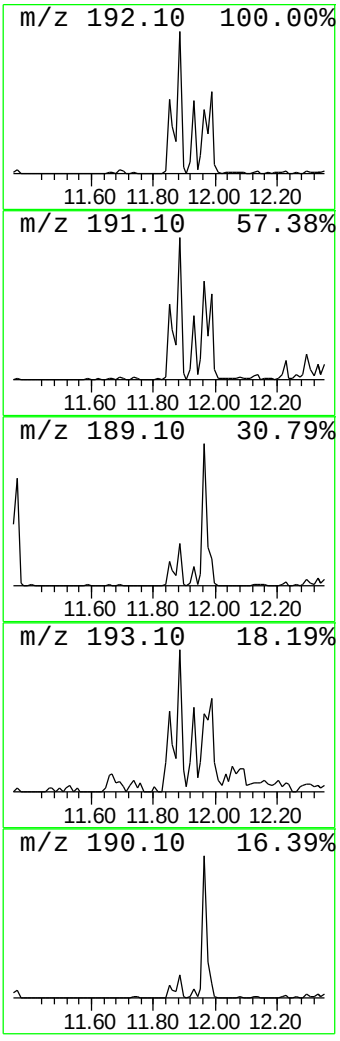
****

Peak Number 7 Phenanthrene, 2-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.85	3.11 ng	205076	Phenanthrene-d10	11.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	97
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	95
5	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	94





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TIC Library : C:\Database\NIST11.L
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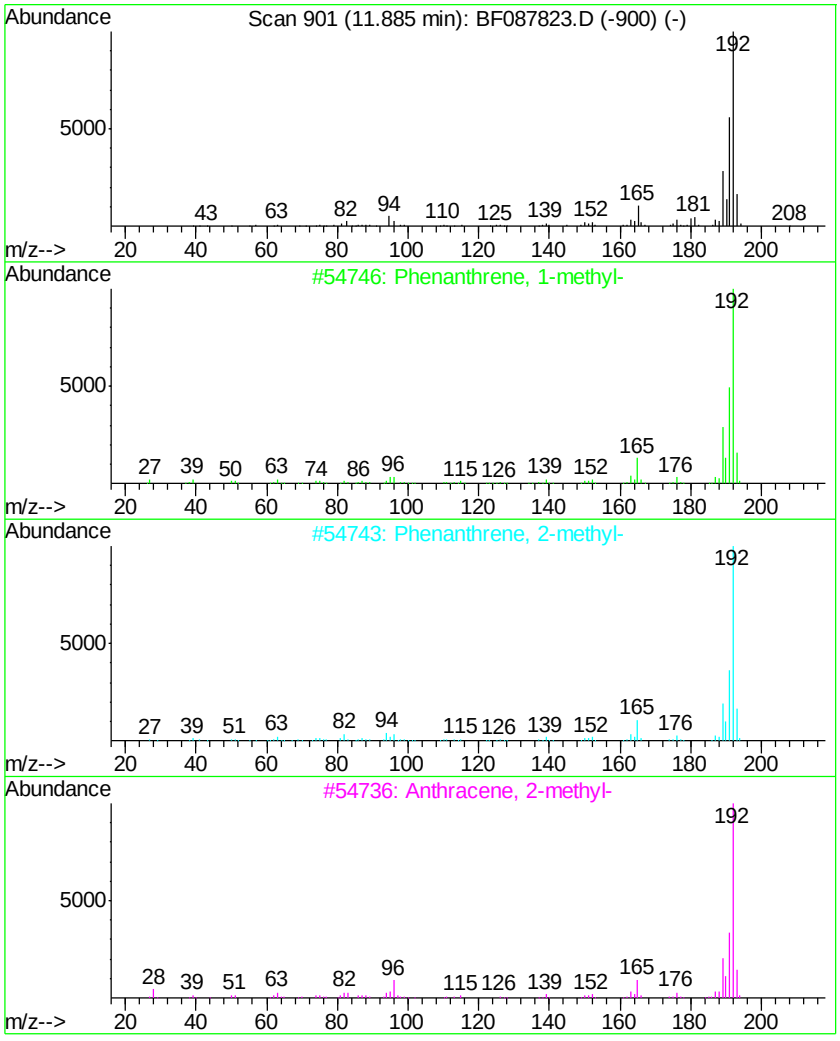
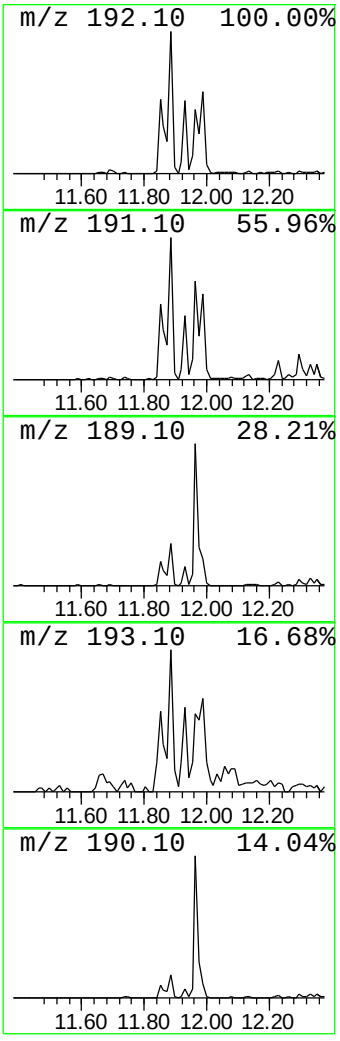
Peak Number 8 Phenanthrene, 1-methyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.88	2.68 ng	176687	Phenanthrene-d10	11.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	94
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	91





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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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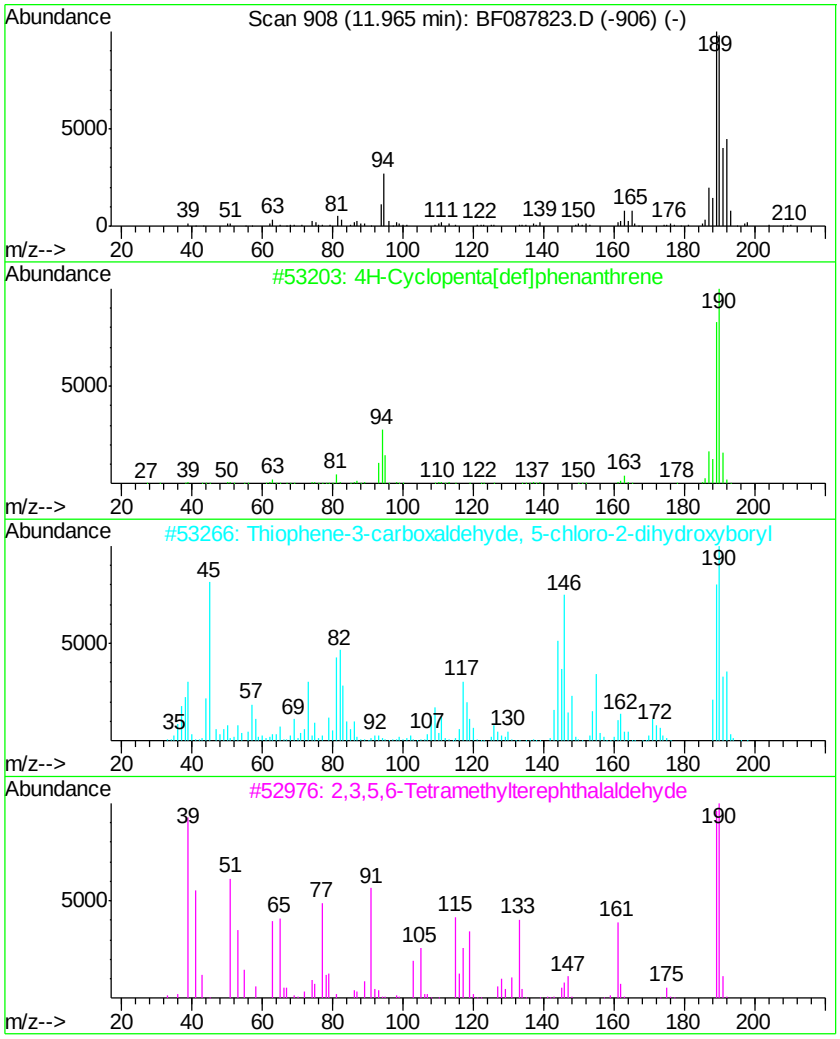
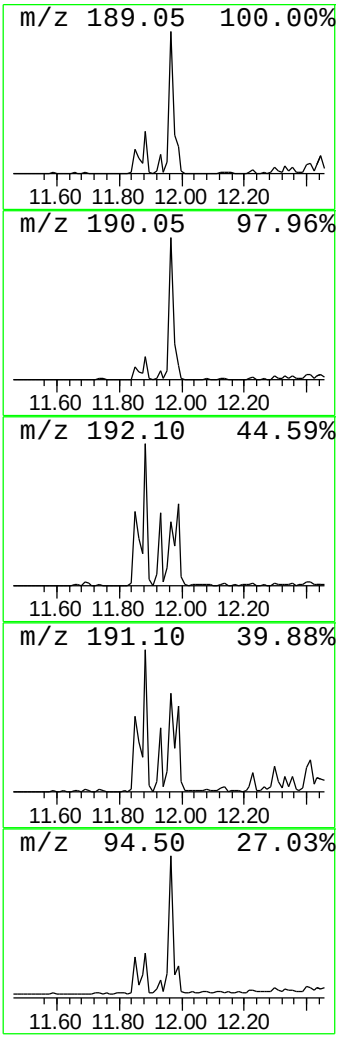
Peak Number 9 4H-Cyclopenta[def]phenanthrene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.96	6.64 ng	437769	Phenanthrene-d10	11.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	94
2	Thiophene-3-carboxaldehyde, 5-ch...	190	C5H4BClO3S	036155-87-0	53
3	2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	43
4	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	25
5	1,4-Naphthalenedione, 2,5-dihydr...	190	C10H6O4	004923-55-1	25





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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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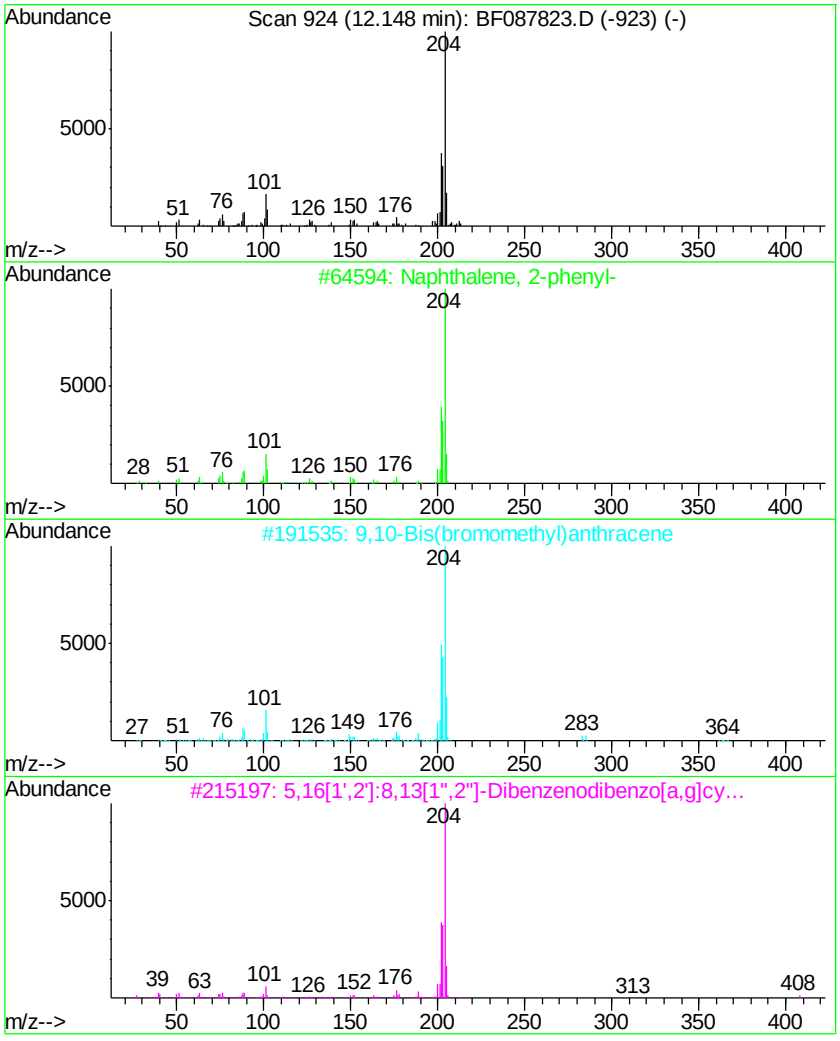
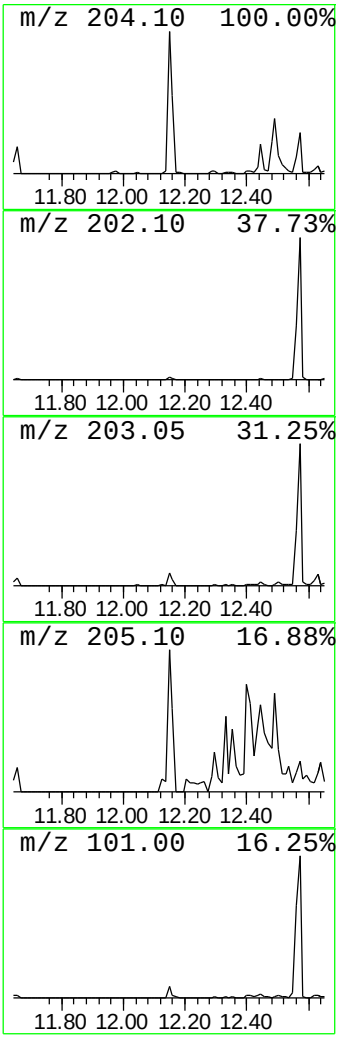
Peak Number 10 Naphthalene, 2-phenyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.15	3.25 ng	214194	Phenanthrene-d10	11.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	93
2	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	91
3	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	83
4	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	81
5	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	70





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Acq On : 8 Jun 2016 21:47
Operator : UM/SJ
Sample : H3379-12 2X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SS-8

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060716.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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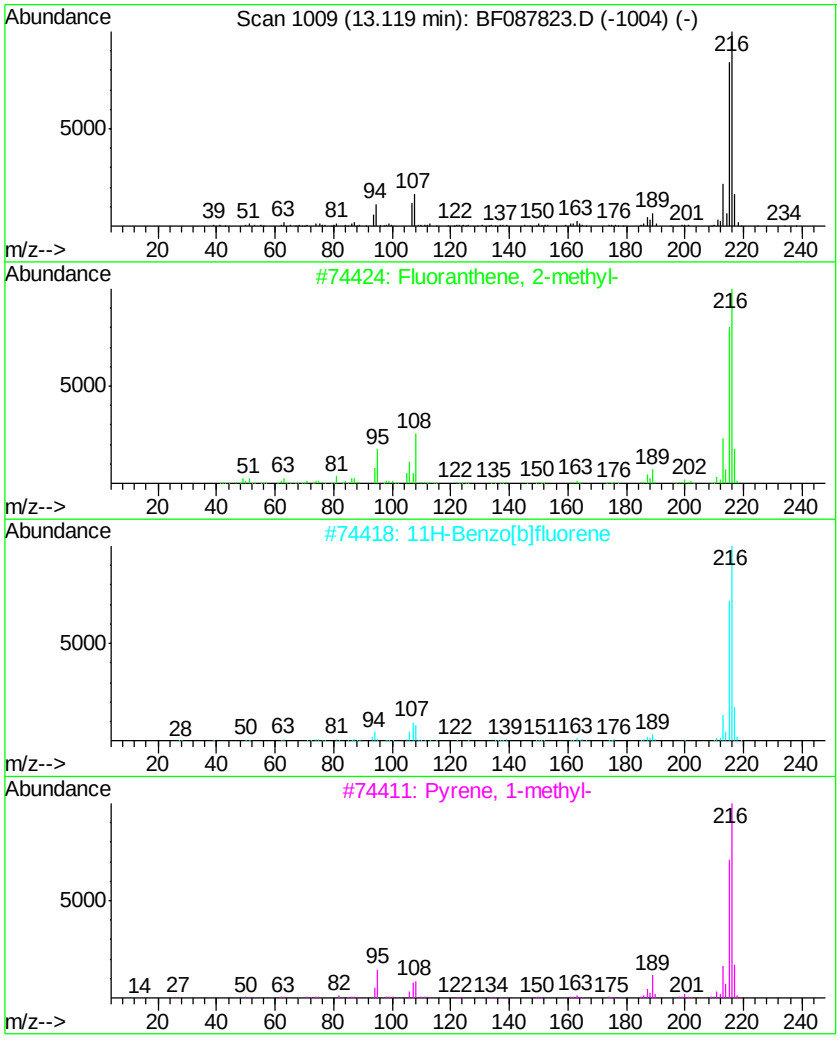
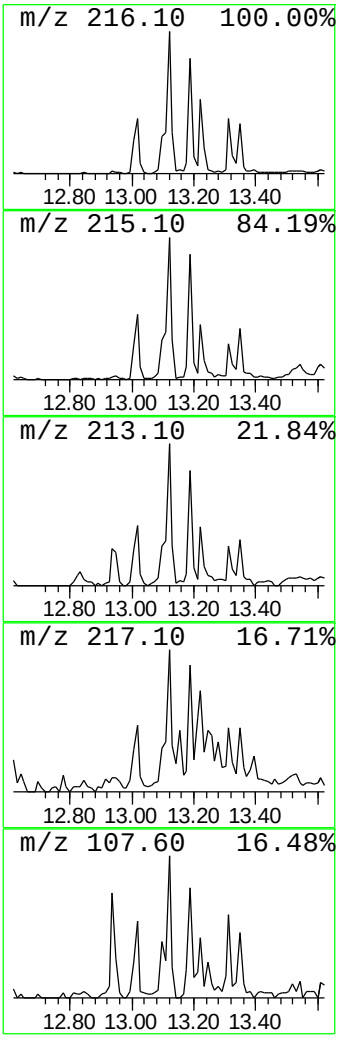
Peak Number 11 Fluoranthene, 2-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.12	2.79 ng	323981	Chrysene-d12	14.00

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	95
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	94
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	94
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	93
5	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	81





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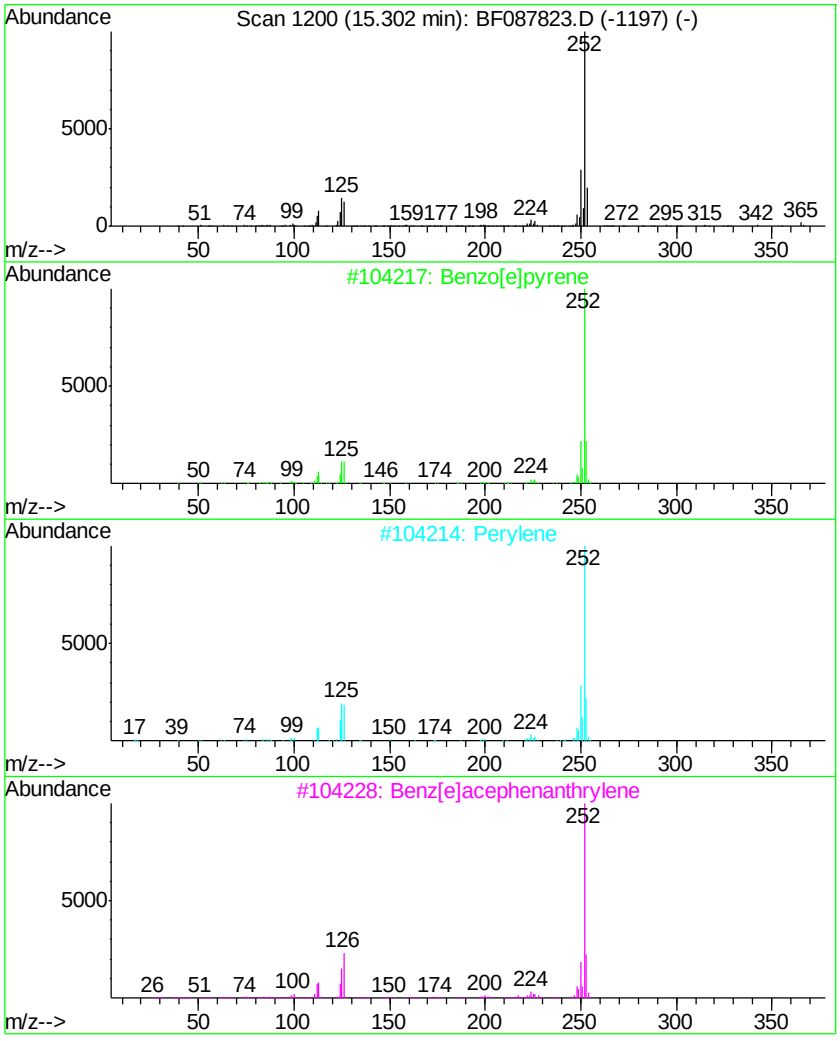
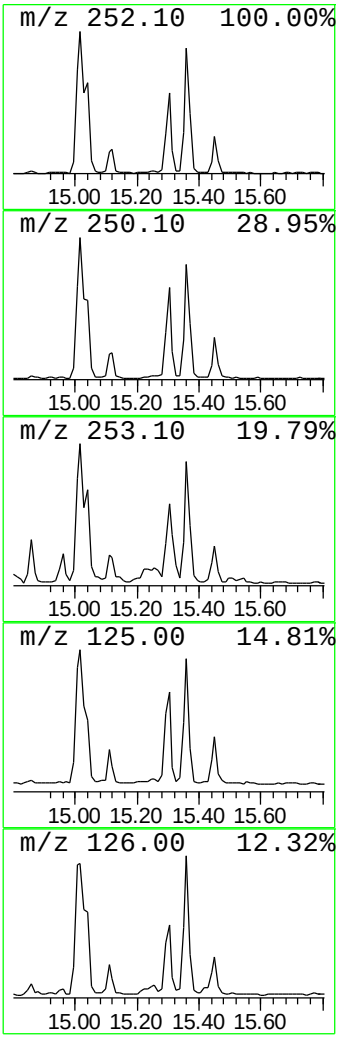
Peak Number 13 Benzo[e]pyrene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.30	10.04 ng	354184	Perylene-d12	15.43

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	98
2	Perylene	252	C20H12	000198-55-0	96
3	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	95
4	Benzo[a]pyrene	252	C20H12	000050-32-8	94
5	Benzo[k]fluoranthene	252	C20H12	000207-08-9	93





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Operator : UM/SJ
Sample : H3379-12 2X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SS-8

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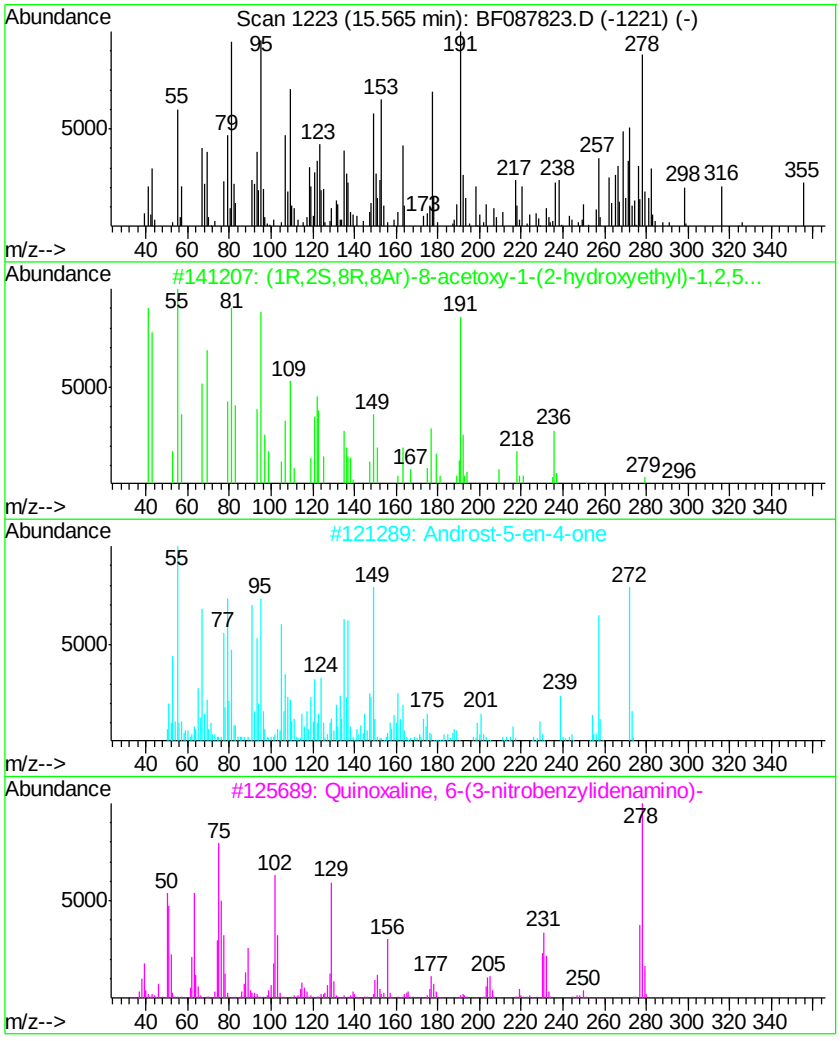
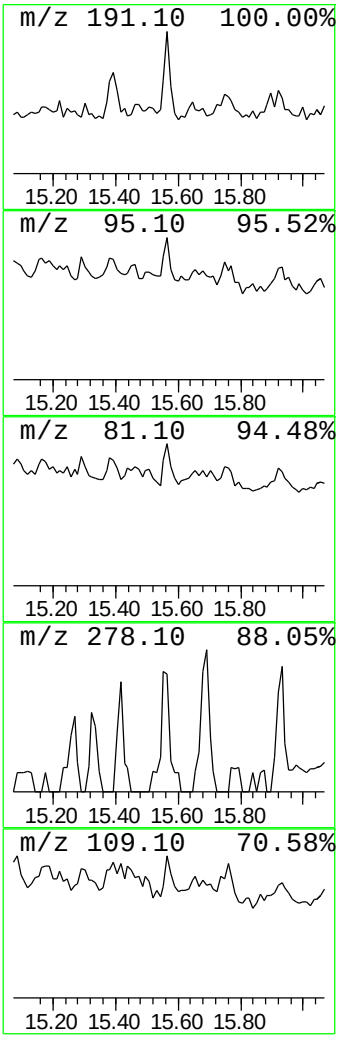
Peak Number 14 unknown15.57 Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.57	2.21 ng	78082	Perylene-d12	15.43

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	(1R,2S,8R,8Ar)-8-acetoxy-1-(2-hy...	296	C18H32O3	1000298-98-4	30
2	Androst-5-en-4-one	272	C19H28O	013583-72-7	15
3	Quinoxaline, 6-(3-nitrobenzylide...	278	C15H10N4O2	302800-55-1	15
4	Pyrido[3,4-d]pyridazin-1(2H)-one...	191	C8H9N5O	1000263-69-7	15
5	4-Butyl-5-(3-methylbutyl)-6-(1-m...	262	C17H26O2	1000306-51-4	11





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Instrument : BNA_F
ClientSampleId : SS-8

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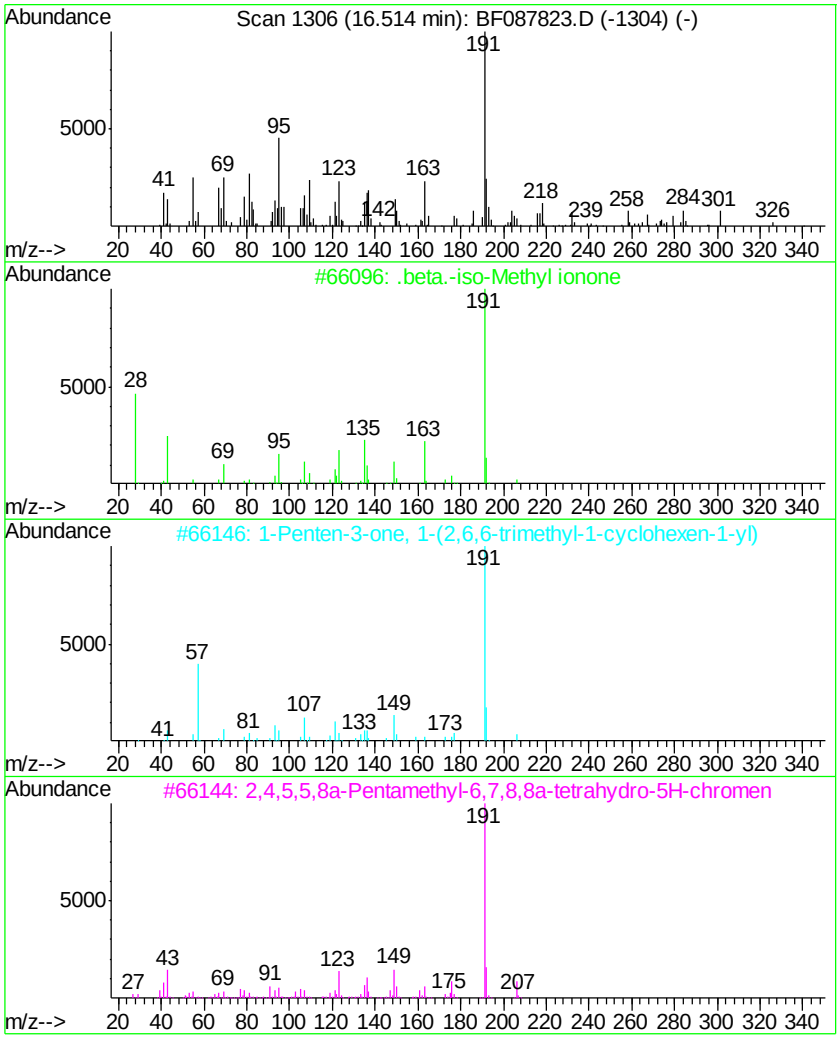
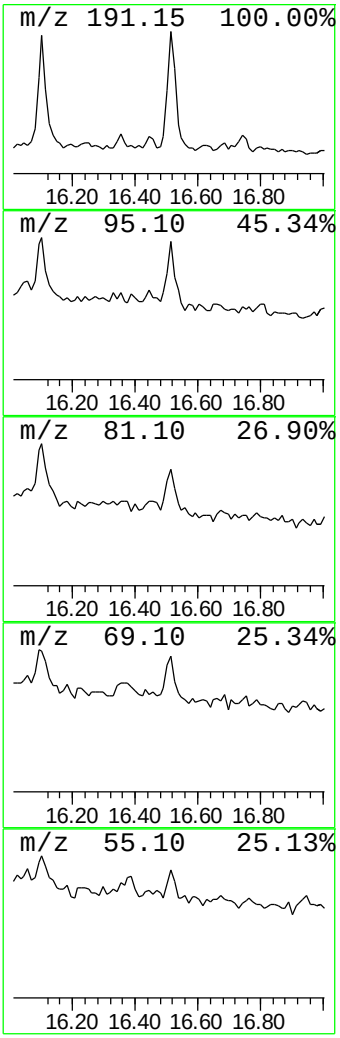
Peak Number 15 .beta.-iso-Methyl ionone Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.51	3.00 ng	105699	Perylene-d12	15.43

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	.beta.-iso-Methyl ionone	206	C14H22O	1000285-40-2	58
2	1-Penten-3-one, 1-(2,6,6-trimeth...	206	C14H22O	000127-43-5	50
3	2,4,5,5,8a-Pentamethyl-6,7,8,8a-...	206	C14H22O	1000195-40-9	43
4	3-Fluoro-4-trifluoromethylbenzoi...	284	C14H8F4O2	1000357-93-7	38
5	1-Cyclohexene, 1,3,3-trimethyl-2...	206	C14H22O	1000197-08-4	37





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Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SS-8

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060716.M
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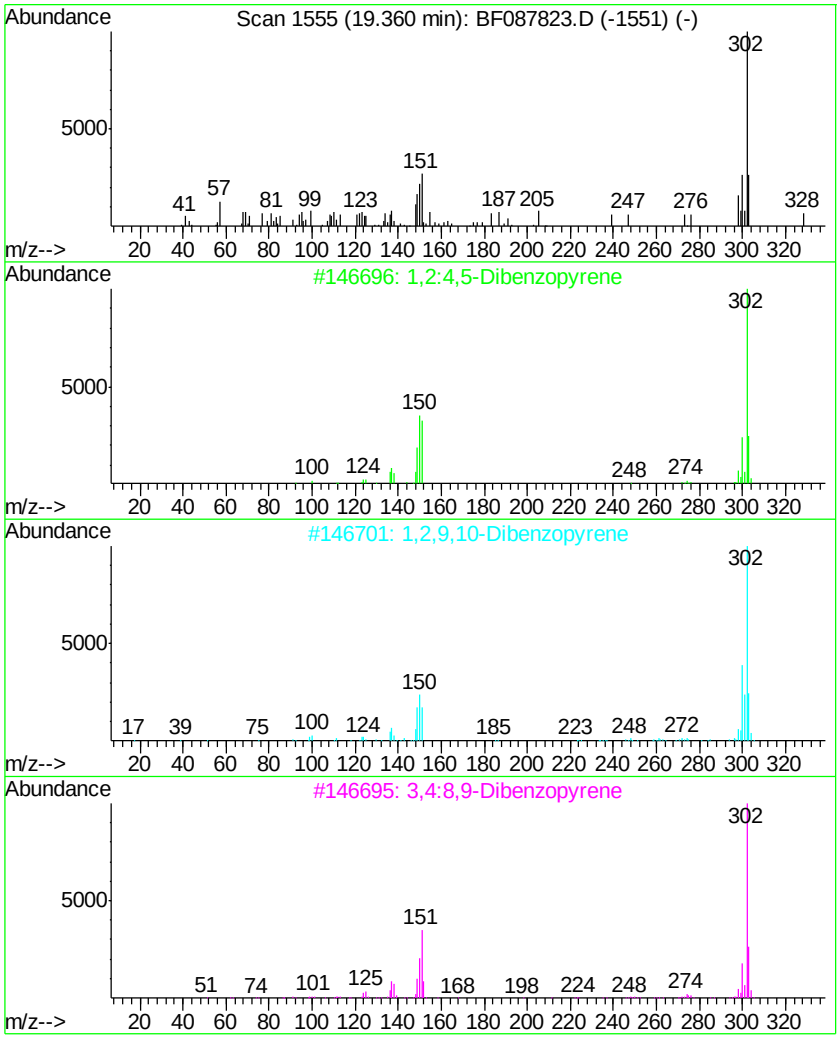
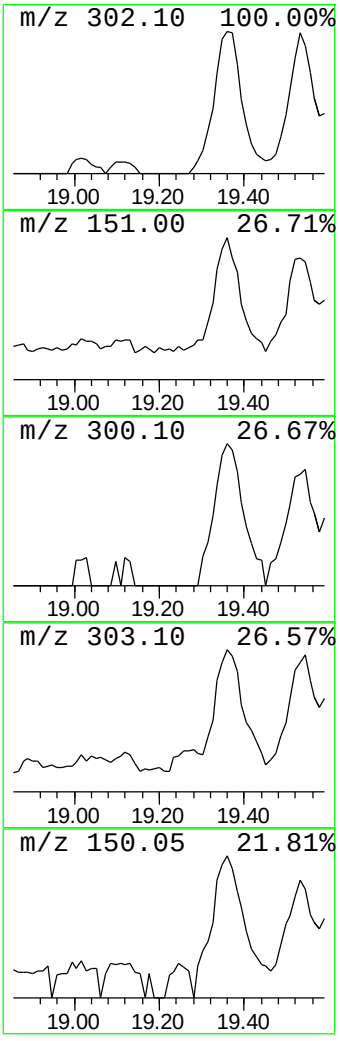
Peak Number 16 1,2:4,5-Dibenzopyrene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.36	4.20 ng	147970	Perylene-d12	15.43

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,2:4,5-Dibenzopyrene	302	C24H14	000192-65-4	76
2	1,2,9,10-Dibenzopyrene	302	C24H14	000191-30-0	70
3	3,4:8,9-Dibenzopyrene	302	C24H14	000189-64-0	68
4	Dibenzo(a,i)pyrene	302	C24H14	000189-55-9	64
5	Indeno[1,2,3-fg]naphthacene	302	C24H14	000203-11-2	59





Tentatively Identified Compound (LSC) summary

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TIC Integration Parameters: LSCINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
2-Pentanone, 4-hy...	4.99	2.5	ng	99730	1	6.82	787211	20.0
unknown6.59	6.59	35.0	ng	1377120	1	6.82	787211	20.0
Phenanthrene, 2-m...	11.85	3.1	ng	205076	4	11.36	1318920	20.0
Phenanthrene, 1-m...	11.88	2.7	ng	176687	4	11.36	1318920	20.0
4H-Cyclopenta[def...	11.96	6.6	ng	437769	4	11.36	1318920	20.0
Naphthalene, 2-ph...	12.15	3.3	ng	214194	4	11.36	1318920	20.0
Fluoranthene, 2-m...	13.12	2.8	ng	323981	5	14.00	2318360	20.0
Benzo[e]pyrene	15.30	10.0	ng	354184	6	15.43	705216	20.0
unknown15.57	15.57	2.2	ng	78082	6	15.43	705216	20.0
.beta.-iso-Methyl...	16.51	3.0	ng	105699	6	15.43	705216	20.0
1,2:4,5-Dibenzopy...	19.36	4.2	ng	147970	6	15.43	705216	20.0