LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\Data\BF052015\
Data File : BF079393.D
Acq On : 20 May 2015 22:20
Operator : TP/IZ
Sample : G2299-01
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : LS-SB04A(2.5-3.0)

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-BF043015.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	1.358	12	15	27	rVB	105822	316316	7.09%	0.860%
2	1.518	27	29	36	rVV	107820	187592	4.21%	0.510%
3	1.621	36	38	46	rVV	166861	331589	7.44%	0.901%
4	1.736	46	48	83	rVB	2408670	4458328	100.00%	12.115%
5	4.833	317	319	329	rVB	167704	217810	4.89%	0.592%
6	5.370	364	366	376	rBV	656987	727117	16.31%	1.976%
7	6.662	477	479	489	rVB	505713	764057	17.14%	2.076%
8	6.799	489	491	494	rBV	783765	790153	17.72%	2.147%
9	7.085	514	516	519	rBV	391787	448882	10.07%	1.220%
10	7.279	530	533	535	rBV	472475	624347	14.00%	1.697%
11	7.782	575	577	580	rBV	478373	432086	9.69%	1.174%
12	8.582	645	647	650	rBV	72608	77993	1.75%	0.212%
13	8.662	652	654	659	rVV	549543	671720	15.07%	1.825%
14	9.553	730	732	734	rVB	64455	59841	1.34%	0.163%
15	9.668	741	742	745	rVB	41659	45036	1.01%	0.122%
16	10.011	770	772	775	rBV	1075748	959203	21.51%	2.607%
17	10.525	813	817	818	rVV2	39144	54338	1.22%	0.148%
18	10.559	818	820	824	rVB2	25383	47165	1.06%	0.128%
19	10.662	826	829	831	rBV	121280	129481	2.90%	0.352%
20	10.834	842	844	846	rVV	732542	693092	15.55%	1.883%
21	10.879	846	848	851	rVB	72673	110672	2.48%	0.301%
22	11.096	864	867	869	rBV	57263	84458	1.89%	0.230%
23	11.348	886	889	892	rBV3	23007	47219	1.06%	0.128%
24	11.508	902	903	906	rBV	80365	114773	2.57%	0.312%
25	11.714	919	921	925	rVB3	49837	60313	1.35%	0.164%
26	11.816	927	930	933	rBV	605189	700225	15.71%	1.903%
27	12.034	946	949	951	rBV2	37848	78505	1.76%	0.213%
28	12.377	976	979	981	rBV3	49709	81548	1.83%	0.222%
29	12.434	981	984	987	rVB2	49784	88898	1.99%	0.242%
30	12.502	987	990	992	rBV	50454	73008	1.64%	0.198%
31	12.548	992	994	995	rVB	45186	57815	1.30%	0.157%
32	12.674	1002	1005	1006	rBV	761388	752664	16.88%	2.045%
33	12.708	1006	1008	1010	rVB	874935	1102520	24.73%	2.996%
34	12.765	1010	1013	1015	rVB	373739	372430	8.35%	1.012%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\Data\BF052015\
Data File : BF079393.D
Acq On : 20 May 2015 22:20
Operator : TP/IZ
Sample : G2299-01
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : LS-SB04A(2.5-3.0)

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-BF043015.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	12.811	1015	1017	1020	rBV2	62553	96320	2.16%	0.262%
36	12.971	1029	1031	1033	rVB	248962	256246	5.75%	0.696%
37	13.062	1037	1039	1041	rBV2	33543	68616	1.54%	0.186%
38	13.302	1057	1060	1061	rBV2	186303	266460	5.98%	0.724%
39	13.337	1061	1063	1066	rVB	217878	227766	5.11%	0.619%
40	13.394	1066	1068	1070	rBV	120211	216419	4.85%	0.588%
41	13.428	1070	1071	1077	rVB3	188049	428032	9.60%	1.163%
42	13.554	1080	1082	1084	rVB	67363	74120	1.66%	0.201%
43	13.680	1091	1093	1097	rBV2	112436	232367	5.21%	0.631%
44	13.737	1097	1098	1100	rVV2	61654	53015	1.19%	0.144%
45	13.828	1104	1106	1108	rVV	141355	146279	3.28%	0.397%
46	13.988	1117	1120	1121	rBV	102913	151801	3.40%	0.413%
47	14.091	1127	1129	1132	rBV2	62833	131352	2.95%	0.357%
48	14.182	1134	1137	1139	rBV	1382485	1536724	34.47%	4.176%
49	14.217	1139	1140	1142	rVB	90745	81140	1.82%	0.220%
50	14.262	1142	1144	1145	rBV	39206	52945	1.19%	0.144%
51	14.297	1145	1147	1149	rVB2	41259	51869	1.16%	0.141%
52	14.377	1150	1154	1157	rBV3	105136	240546	5.40%	0.654%
53	14.457	1158	1161	1163	rVB	1430337	1602728	35.95%	4.355%
54	14.502	1163	1165	1166	rBV2	29711	59410	1.33%	0.161%
55	14.548	1166	1169	1171	rVV	2531870	2934364	65.82%	7.974%
56	14.617	1173	1175	1177	rVV2	180578	259501	5.82%	0.705%
57	14.674	1177	1180	1181	rVV	1038677	1318127	29.57%	3.582%
58	14.697	1181	1182	1184	rVV	101852	134758	3.02%	0.366%
59	14.800	1188	1191	1192	rBV2	183491	256401	5.75%	0.697%
60	14.880	1193	1198	1200	rVB2	155396	356692	8.00%	0.969%
61	14.960	1203	1205	1207	rBV	112312	122835	2.76%	0.334%
62	15.005	1207	1209	1214	rBV2	172953	283086	6.35%	0.769%
63	15.108	1217	1218	1220	rBV	72694	100770	2.26%	0.274%
64	15.154	1220	1222	1225	rBV	76244	105029	2.36%	0.285%
65	15.451	1246	1248	1250	rBV2	153149	166247	3.73%	0.452%
66	15.508	1250	1253	1256	rVB	259056	400503	8.98%	1.088%
67	15.645	1263	1265	1266	rBV	115978	131520	2.95%	0.357%
68	15.703	1266	1270	1271	rVV2	151338	276377	6.20%	0.751%
69	15.851	1281	1283	1286	rBV3	112035	190493	4.27%	0.518%
70	15.954	1289	1292	1294	rVV2	992213	1748386	39.22%	4.751%
71	16.000	1294	1296	1297	rVB	490178	651818	14.62%	1.771%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\Data\BF052015\
Data File : BF079393.D
Acq On : 20 May 2015 22:20
Operator : TP/IZ
Sample : G2299-01
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : LS-SB04A(2.5-3.0)

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-BF043015.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	16.091	1302	1304	1306	rVV2	115720	128030	2.87%	0.348%
73	16.263	1317	1319	1324	rBV	97281	179585	4.03%	0.488%
74	17.268	1405	1407	1413	rBV	712006	1664021	37.32%	4.522%
75	17.600	1434	1436	1439	rVB	459555	655412	14.70%	1.781%
76	17.657	1439	1441	1444	rBV	730663	880802	19.76%	2.393%
77	17.726	1444	1447	1448	rBV	629800	787592	17.67%	2.140%
78	19.097	1564	1567	1571	rVB2	348398	760788	17.06%	2.067%
79	19.486	1598	1601	1605	rVB	285512	571574	12.82%	1.553%

Sum of corrected areas: 36800060

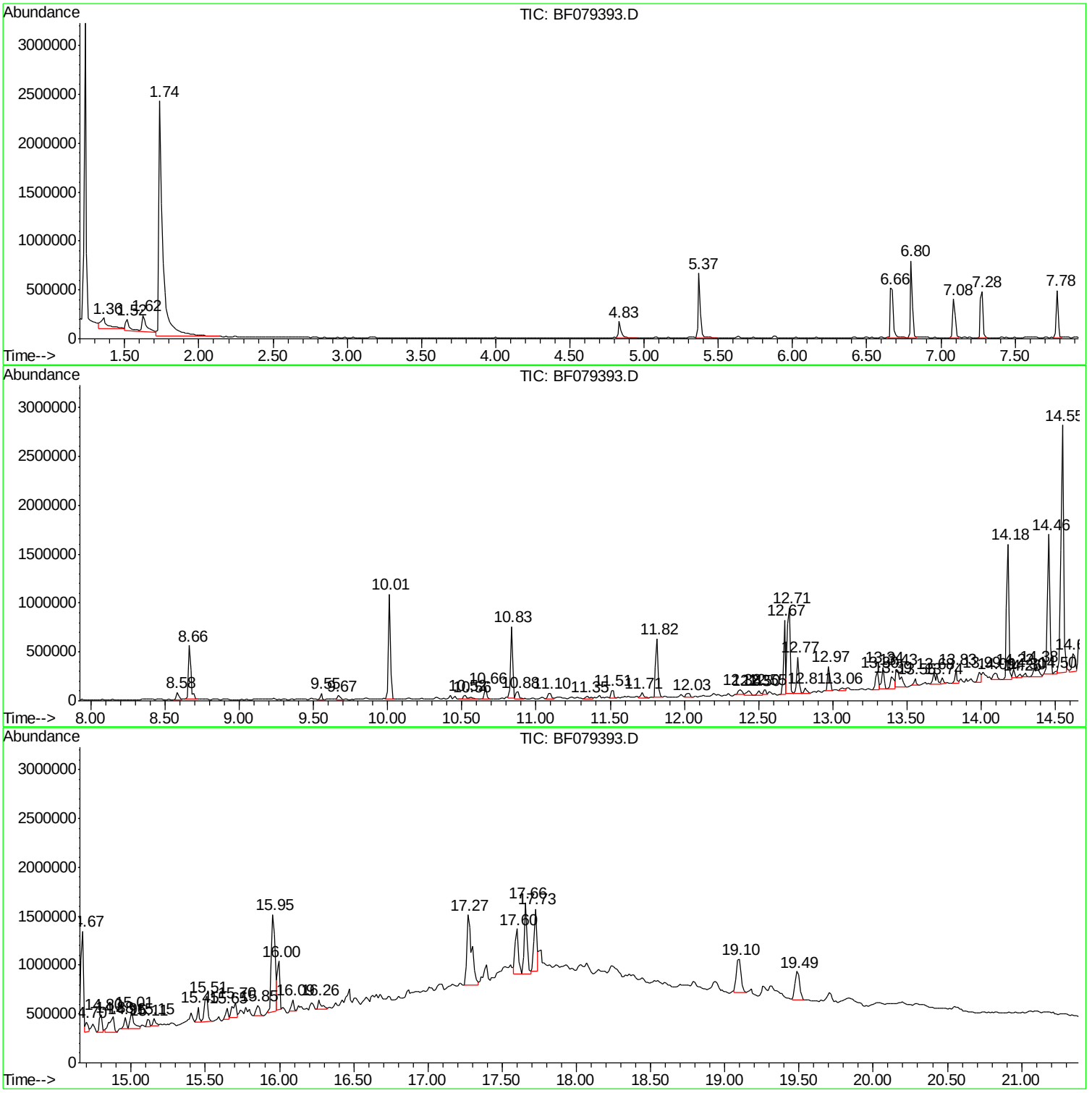
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA F\Data\BF052015\
Data File : BF079393.D
Acq On : 20 May 2015 22:20
Operator : TP/IZ
Sample : G2299-01
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
LS-SB04A(2.5-3.0)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF043015.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 F\Data\BF052015\
Data File : BF079393.D
Acq On : 20 May 2015 22:20
Operator : TP/IZ
Sample : G2299-01
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : LS-SB04A(2.5-3.0)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF043015.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

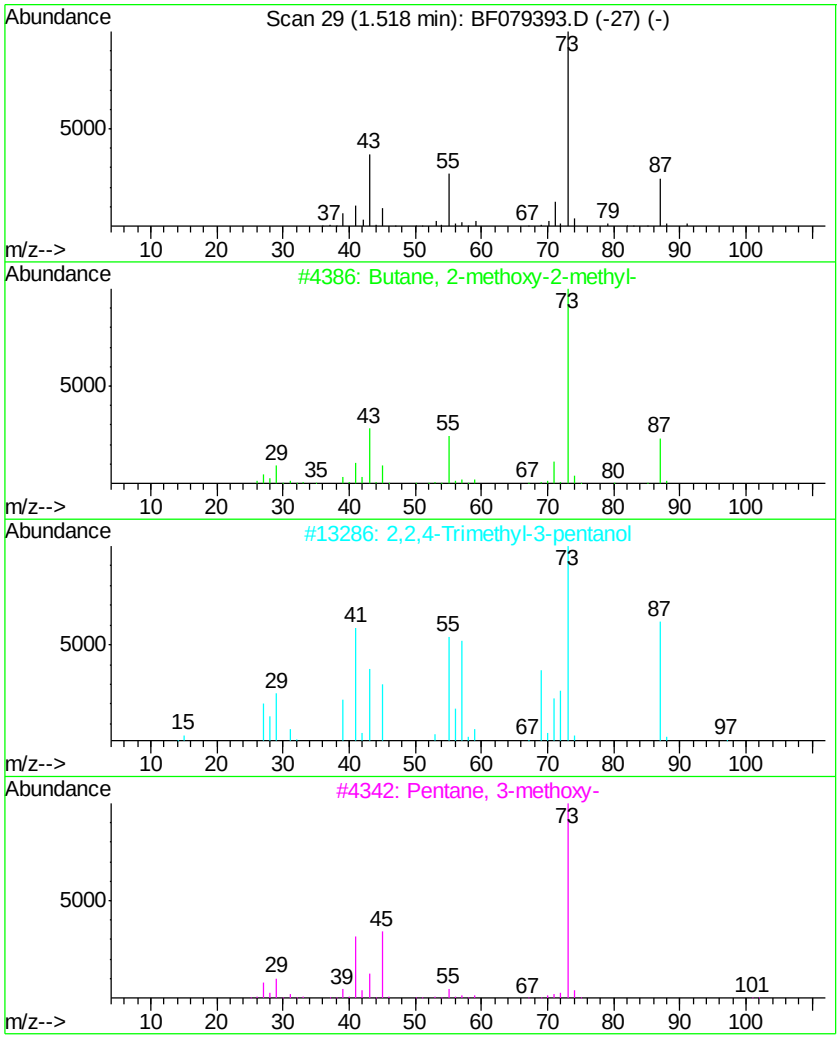
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

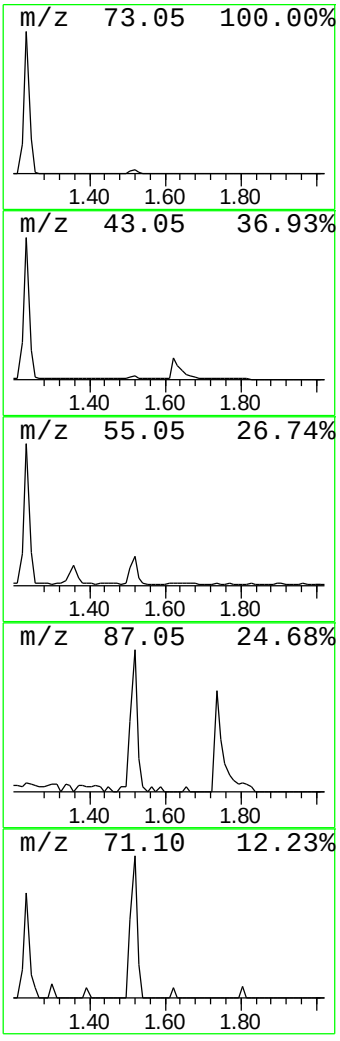
****

Peak Number 2 Butane, 2-methoxy-2-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.52	8.36 ng	187592	1,4-Dichlorobenzene-d4	7.08

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	83
2	2,2,4-Trimethyl-3-pentanol	130	C8H18O	005162-48-1	40
3	Pentane, 3-methoxy-	102	C6H14O	036839-67-5	12
4	Silane, tetramethyl-	88	C4H12Si	000075-76-3	10
5	N-Ethylformamide	73	C3H7NO	000627-45-2	9





Data Path : Z:\HPCHEM1\BNA F\Data\BF052015\
Data File : BF079393.D
Acq On : 20 May 2015 22:20
Operator : TP/IZ
Sample : G2299-01
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : LS-SB04A(2.5-3.0)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF043015.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

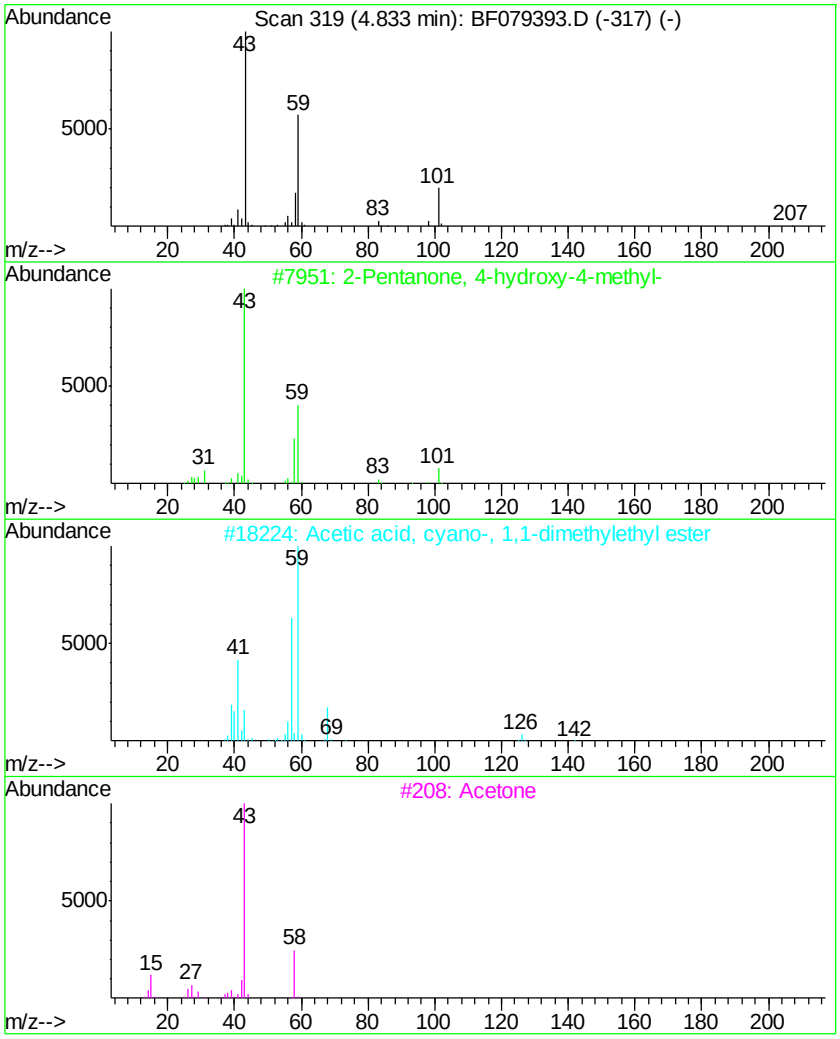
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

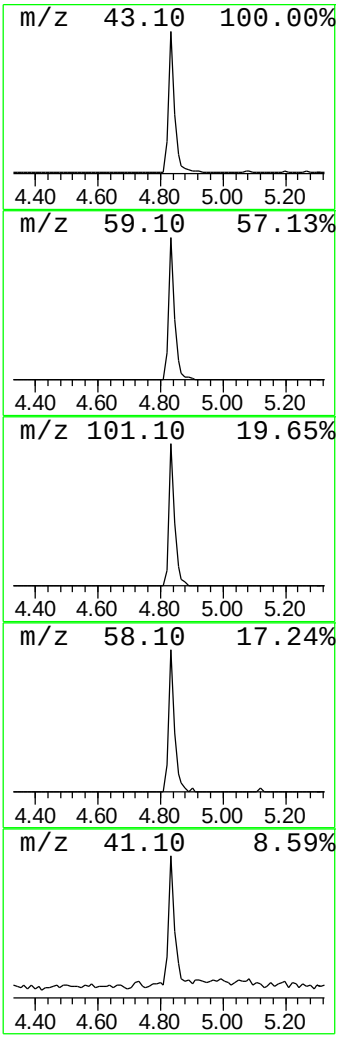
****

Peak Number 5 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.83	9.70 ng	217810	1,4-Dichlorobenzene-d4	7.08

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	32
3	Acetone	58	C3H6O	000067-64-1	9
4	Morpholine, 4-methyl-	101	C5H11NO	000109-02-4	9
5	Butane, 1-ethoxy-	102	C6H14O	000628-81-9	9





Data Path : Z:\HPCHEM1\BNA F\Data\BF052015\
Data File : BF079393.D
Acq On : 20 May 2015 22:20
Operator : TP/IZ
Sample : G2299-01
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : LS-SB04A(2.5-3.0)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF043015.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

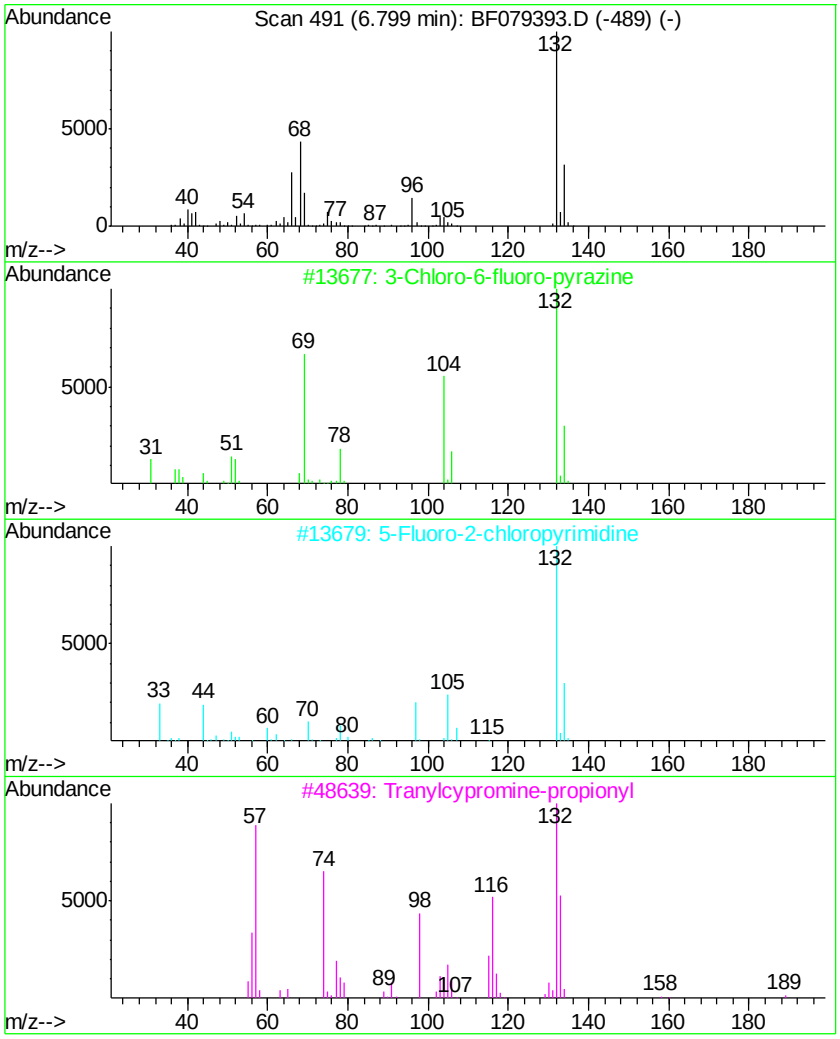
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

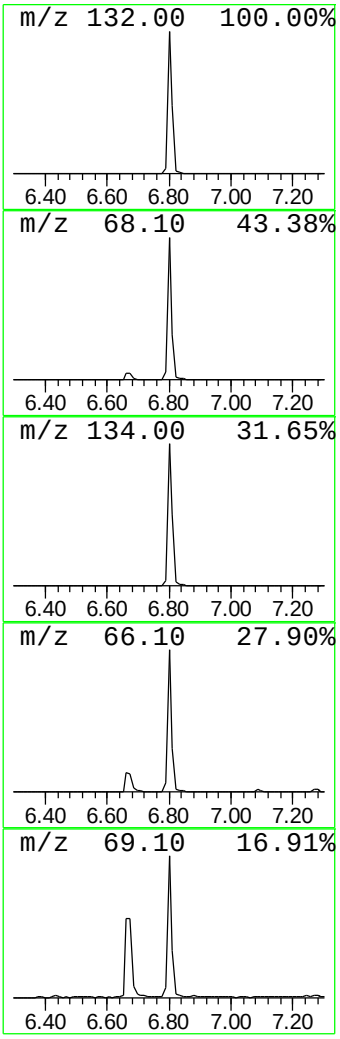
****

Peak Number 6 unknown6.80 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.80	35.21 ng	790153	1,4-Dichlorobenzene-d4	7.08

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	9
4	Bicyclo[4.2.0]octa-1,3,5-triene,...	132	C10H12	028749-81-7	9
5	2H-Cyclopenta[d]pyridazine, 2-me...	132	C8H8N2	022291-85-6	9





Data Path : Z:\HPCHEM1\BNA F\Data\BF052015\
Data File : BF079393.D
Acq On : 20 May 2015 22:20
Operator : TP/IZ
Sample : G2299-01
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : LS-SB04A(2.5-3.0)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF043015.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

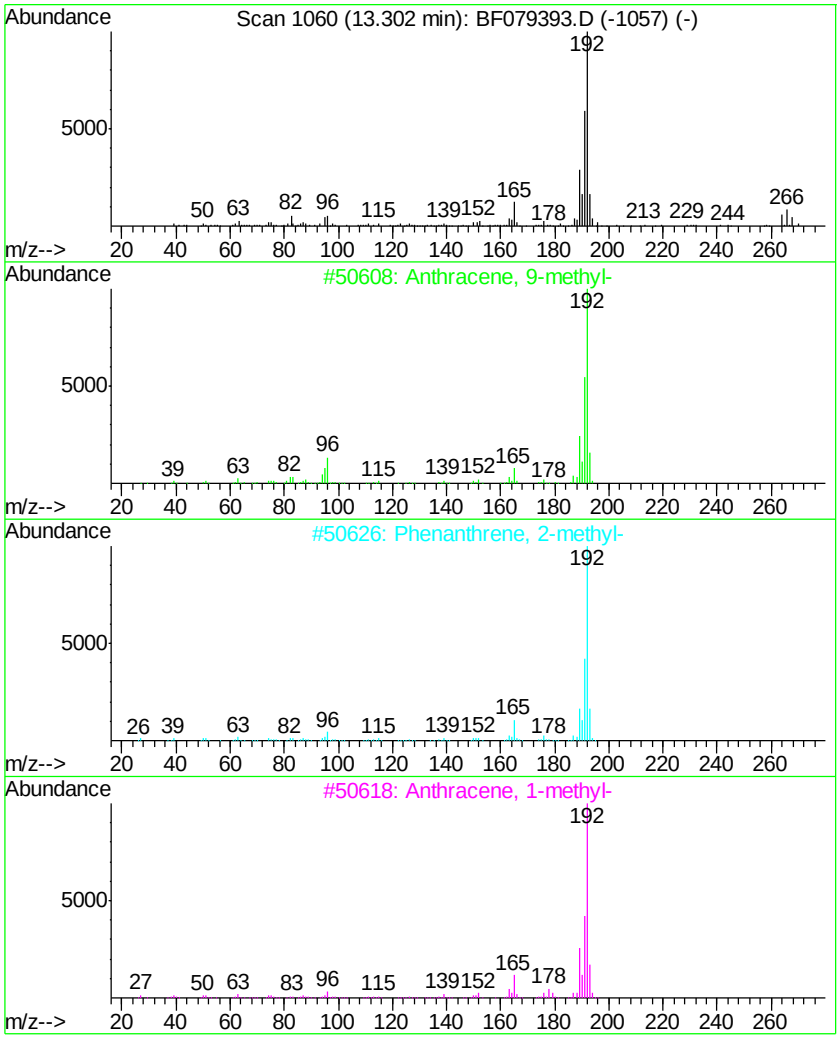
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

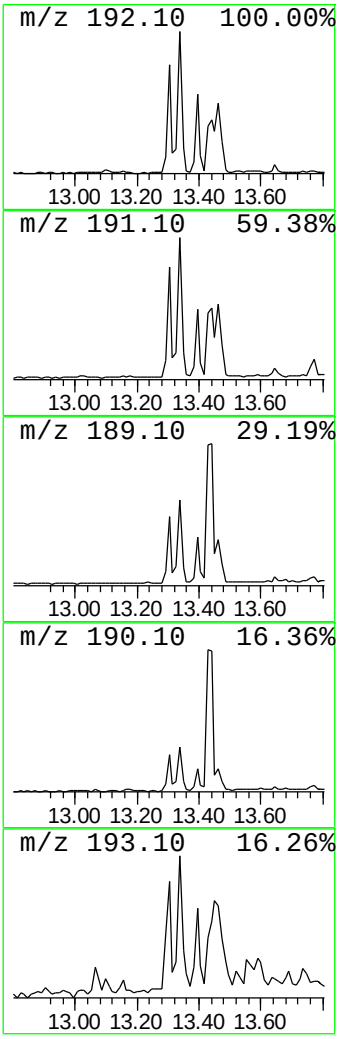
****

Peak Number 8 Anthracene, 9-methyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.30	7.08 ng	266460	Phenanthrene-d10	12.67

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 9-methyl-	192	C15H12	000779-02-2	95
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
3	Anthracene, 1-methyl-	192	C15H12	000610-48-0	95
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	93
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	92





Data Path : Z:\HPCHEM1\BNA F\Data\BF052015\
Data File : BF079393.D
Acq On : 20 May 2015 22:20
Operator : TP/IZ
Sample : G2299-01
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : LS-SB04A(2.5-3.0)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF043015.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

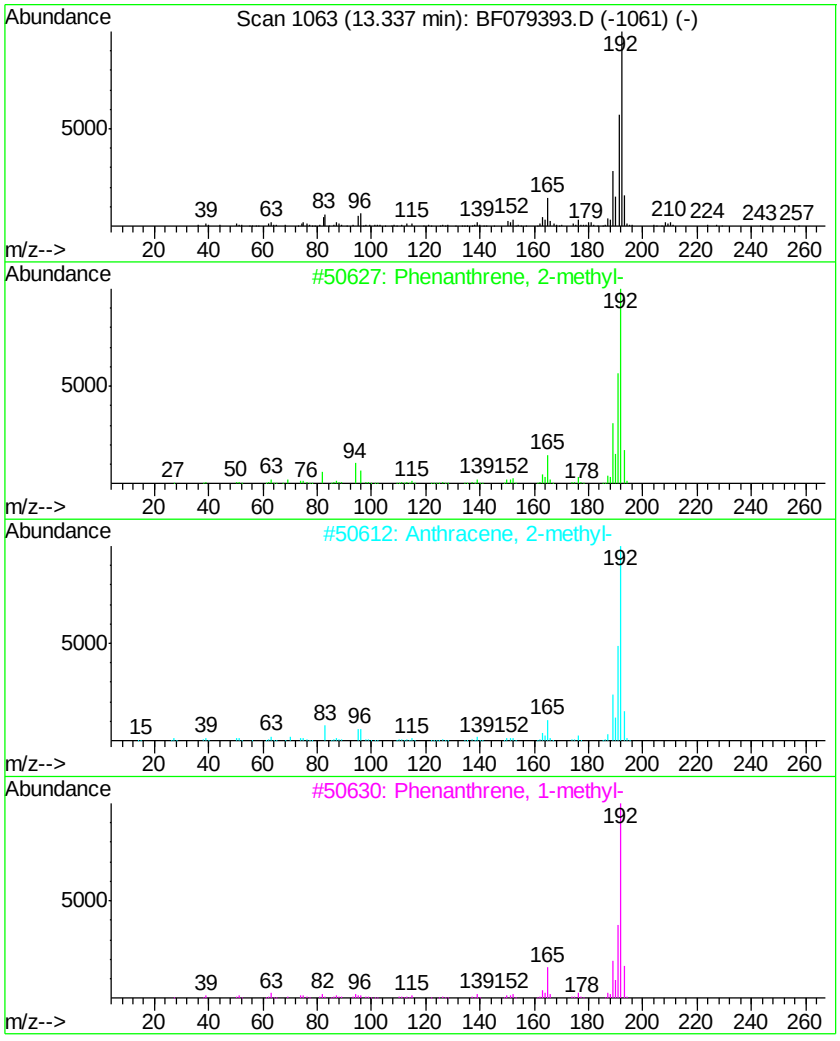
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

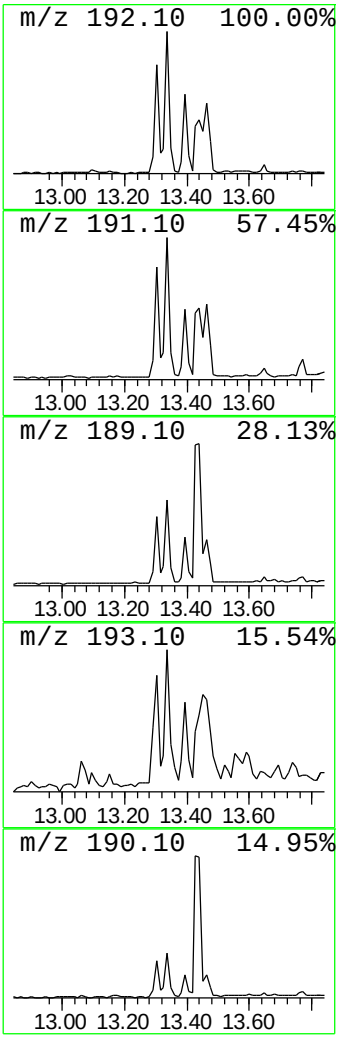
****

Peak Number 9 Phenanthrene, 2-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.34	6.05 ng	227766	Phenanthrene-d10	12.67

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	97
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	94
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	94





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA F\Data\BF052015\
Data File : BF079393.D
Acq On : 20 May 2015 22:20
Operator : TP/IZ
Sample : G2299-01
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : LS-SB04A(2.5-3.0)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF043015.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

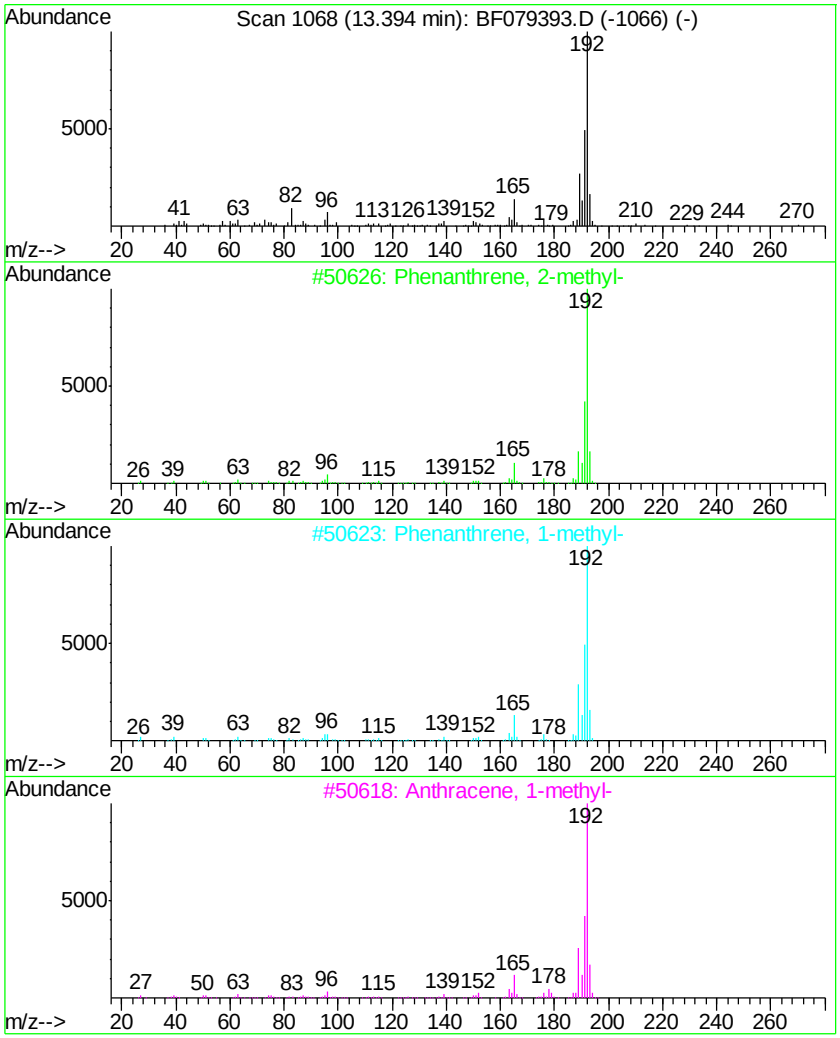
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

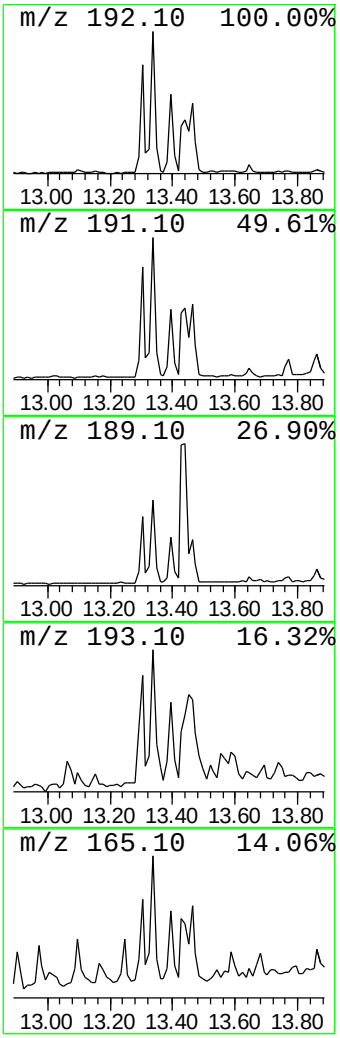
****

Peak Number 10 Phenanthrene, 1-methyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.39	5.75 ng	216419	Phenanthrene-d10	12.67

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
3	Anthracene, 1-methyl-	192	C15H12	000610-48-0	96
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	95
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	94





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_F\Data\BF052015\
Data File : BF079393.D
Acq On : 20 May 2015 22:20
Operator : TP/IZ
Sample : G2299-01
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : LS-SB04A(2.5-3.0)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF043015.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
Butane, 2-methoxy...	1.52	8.4	ng	187592	1	7.08	448882	20.0
2-Pentanone, 4-hy...	4.83	9.7	ng	217810	1	7.08	448882	20.0
unknown6.80	6.80	35.2	ng	790153	1	7.08	448882	20.0
Anthracene, 9-met...	13.30	7.1	ng	266460	4	12.67	752664	20.0
Phenanthrene, 2-m...	13.34	6.0	ng	227766	4	12.67	752664	20.0
Phenanthrene, 1-m...	13.39	5.8	ng	216419	4	12.67	752664	20.0