LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF042115\
Data File : BF078699.D
Acq On : 21 Apr 2015 23:11
Operator : TP/IZ
Sample : G1938-13 5X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-81S

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-BF040115.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	1.415	19	20	26	rVV	33306	68274	2.09%	0.610%
2	1.507	26	28	71	rVB	1585231	3268980	100.00%	29.193%
3	3.838	230	232	242	rBV	76843	104811	3.21%	0.936%
4	5.324	360	362	371	rBB	83872	107943	3.30%	0.964%
5	5.462	371	374	377	rBV	81027	117750	3.60%	1.052%
6	5.816	403	405	408	rBV	167758	195836	5.99%	1.749%
7	6.056	423	426	429	rBB	75063	85094	2.60%	0.760%
8	6.753	485	487	493	rBB	52696	66718	2.04%	0.596%
9	7.976	591	594	597	rBV	223273	276036	8.44%	2.465%
10	9.988	768	770	773	rBV	110316	128708	3.94%	1.149%
11	11.165	870	873	876	rBV	251125	333328	10.20%	2.977%
12	12.639	999	1002	1005	rBB	57801	78797	2.41%	0.704%
13	13.897	1109	1112	1114	rBV	250978	353748	10.82%	3.159%
14	13.942	1114	1116	1119	rVB	150109	184643	5.65%	1.649%
15	14.034	1121	1124	1127	rVB	38193	48001	1.47%	0.429%
16	14.822	1191	1193	1195	rVV	32666	37652	1.15%	0.336%
17	14.937	1201	1203	1205	rVV2	34462	59808	1.83%	0.534%
18	15.268	1229	1232	1239	rBV2	21655	40187	1.23%	0.359%
19	15.828	1278	1281	1284	rBV	402570	533656	16.32%	4.766%
20	16.148	1306	1309	1311	rVV	439398	615945	18.84%	5.501%
21	16.434	1331	1334	1336	rVV	114977	163590	5.00%	1.461%
22	16.480	1336	1338	1340	rVB	26186	39154	1.20%	0.350%
23	16.628	1344	1351	1354	rBV2	50518	124048	3.79%	1.108%
24	16.720	1356	1359	1360	rBV	41398	56597	1.73%	0.505%
25	16.754	1360	1362	1367	rVV3	36002	67278	2.06%	0.601%
26	16.868	1370	1372	1374	rVV2	25456	37154	1.14%	0.332%
27	17.211	1398	1402	1404	rVV	14916	40214	1.23%	0.359%
28	17.303	1407	1410	1414	rVV2	30056	58910	1.80%	0.526%
29	17.440	1419	1422	1424	rVV	43112	66642	2.04%	0.595%
30	17.486	1424	1426	1429	rVV2	53880	95232	2.91%	0.850%
31	17.531	1429	1430	1432	rVV2	29979	39583	1.21%	0.353%
32	17.577	1432	1434	1437	rVV2	30585	41854	1.28%	0.374%
33	17.760	1445	1450	1452	rBV2	441751	867392	26.53%	7.746%
34	17.806	1452	1454	1456	rVV2	209041	300649	9.20%	2.685%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF042115\
Data File : BF078699.D
Acq On : 21 Apr 2015 23:11
Operator : TP/IZ
Sample : G1938-13 5X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-81S

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-BF040115.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	17.886	1459	1461	1465	rVB	50200	73822	2.26%	0.659%
36	18.034	1472	1474	1477	rVB2	32791	40386	1.24%	0.361%
37	18.091	1477	1479	1483	rBV4	19745	45533	1.39%	0.407%
38	18.274	1492	1495	1497	rVV	50677	79071	2.42%	0.706%
39	18.869	1545	1547	1550	rVB	42410	52667	1.61%	0.470%
40	19.040	1559	1562	1567	rBV	278971	574365	17.57%	5.129%
41	19.143	1570	1571	1574	rVB	54297	60537	1.85%	0.541%
42	19.326	1585	1587	1590	rBV	137943	202785	6.20%	1.811%
43	19.394	1590	1593	1595	rVB	214854	291599	8.92%	2.604%
44	19.451	1595	1598	1600	rBV	364443	470145	14.38%	4.199%
45	20.034	1647	1649	1656	rVB4	52012	105021	3.21%	0.938%
46	20.469	1685	1687	1692	rVV	31464	66699	2.04%	0.596%
47	20.594	1695	1698	1702	rVB2	116631	237493	7.27%	2.121%
48	20.903	1722	1725	1729	rVB	114983	193450	5.92%	1.728%

Sum of corrected areas: 11197785

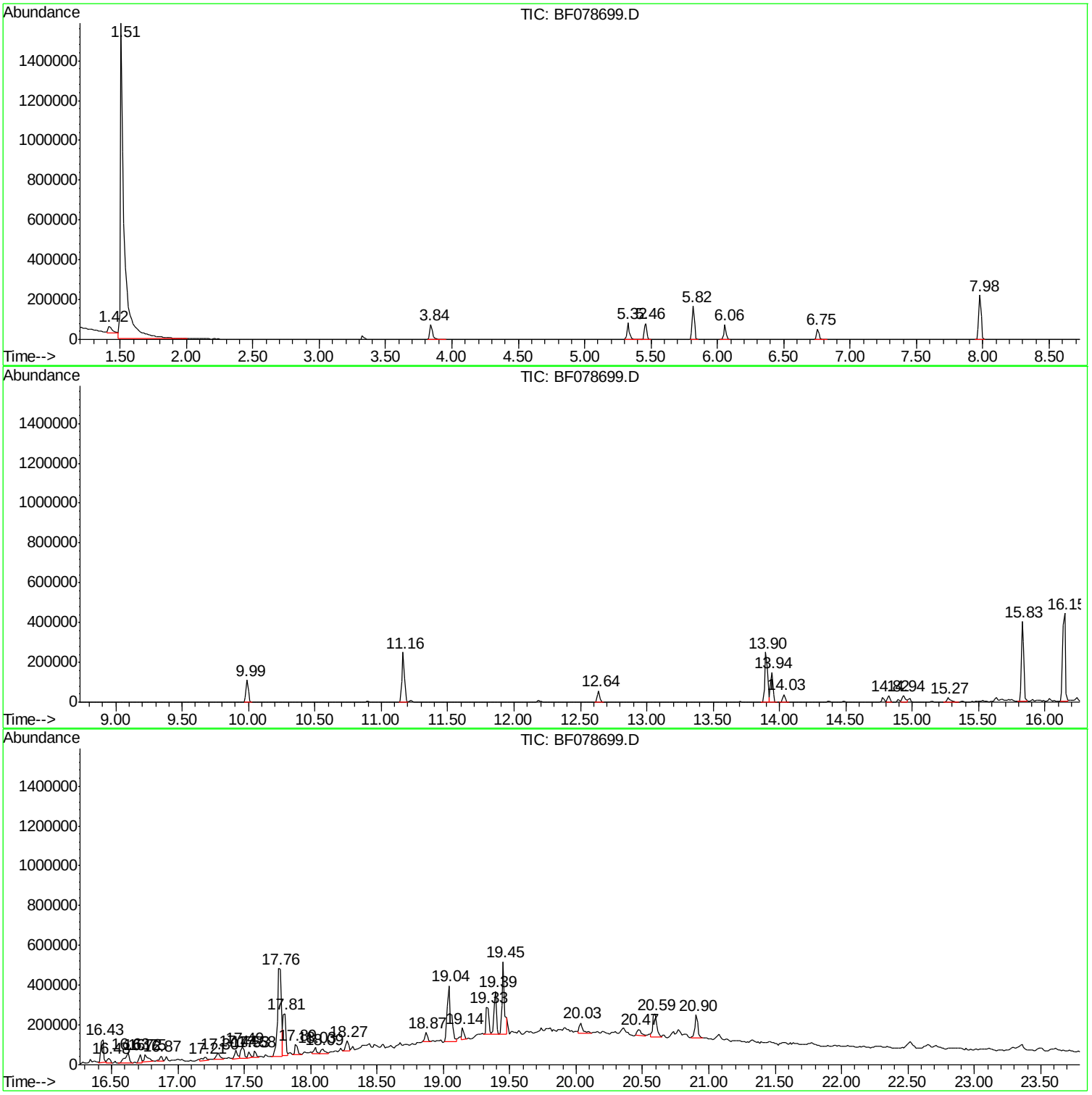
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA F\DATA\BF042115\
Data File : BF078699.D
Acq On : 21 Apr 2015 23:11
Operator : TP/IZ
Sample : G1938-13 5X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-81S

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040115.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\BF042115\
Data File : BF078699.D
Acq On : 21 Apr 2015 23:11
Operator : TP/IZ
Sample : G1938-13 5X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-81S

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040115.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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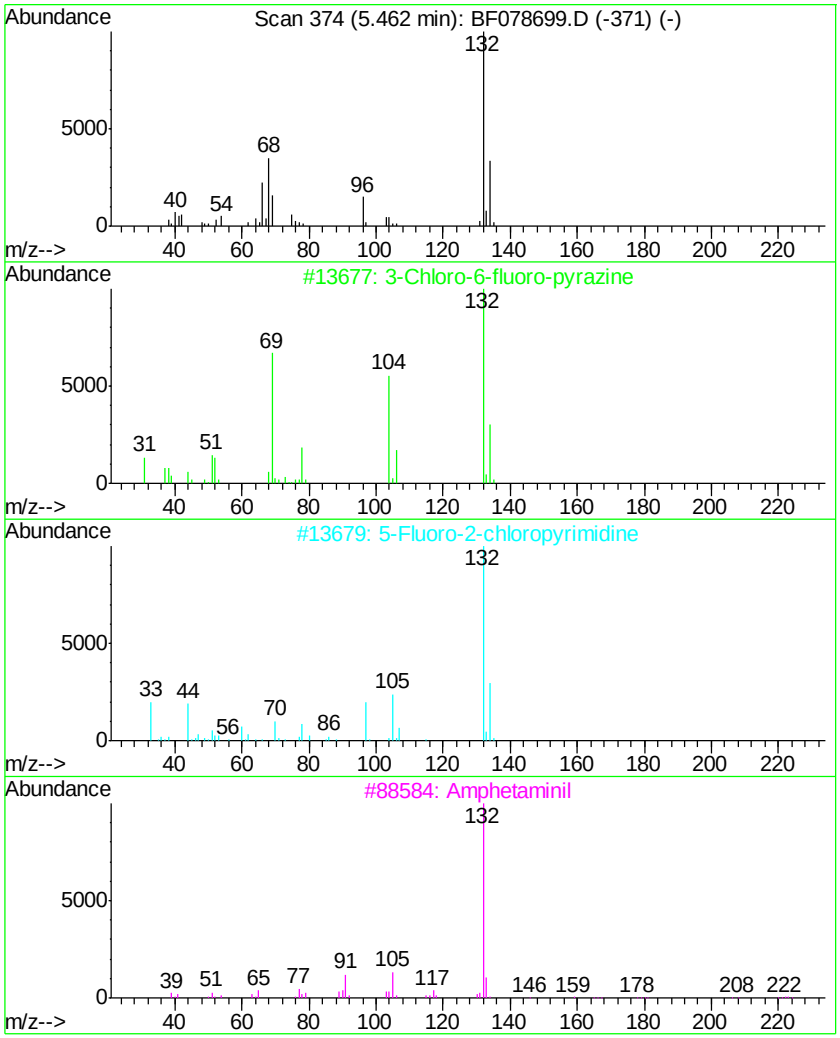
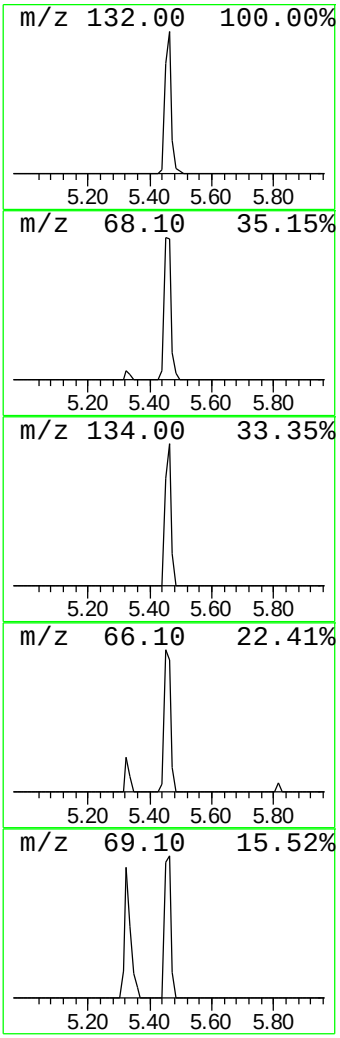
Peak Number 3 unknown5.46 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.46	12.03 ng	117750	1,4-Dichlorobenzene-d4	5.82

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	35
2	5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	17
3	Amphetaminil	250	C17H18N2	017590-01-1	12
4	5-Aminoindole	132	C8H8N2	005192-03-0	10
5	4-Chloro-2-fluoro-pyrimidine	132	C4H2ClFN2	051422-00-5	9





Data Path : Z:\HPCHEM1\BNA F\DATA\BF042115\
Data File : BF078699.D
Acq On : 21 Apr 2015 23:11
Operator : TP/IZ
Sample : G1938-13 5X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-81S

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040115.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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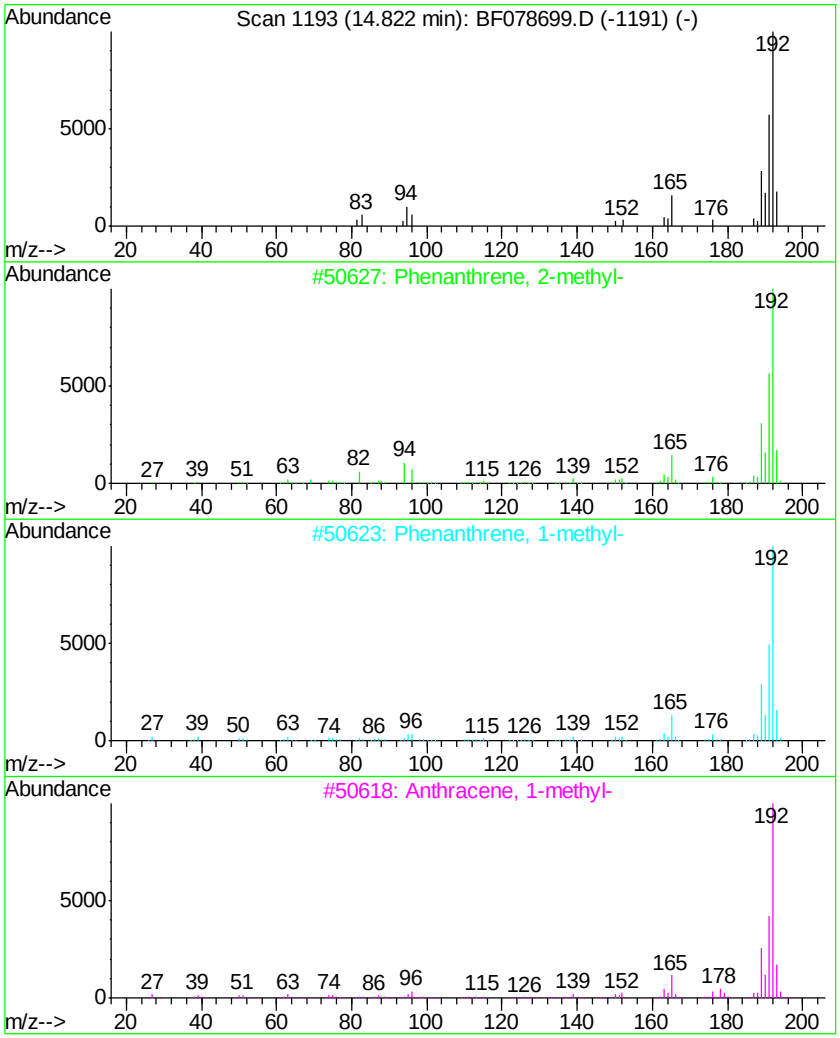
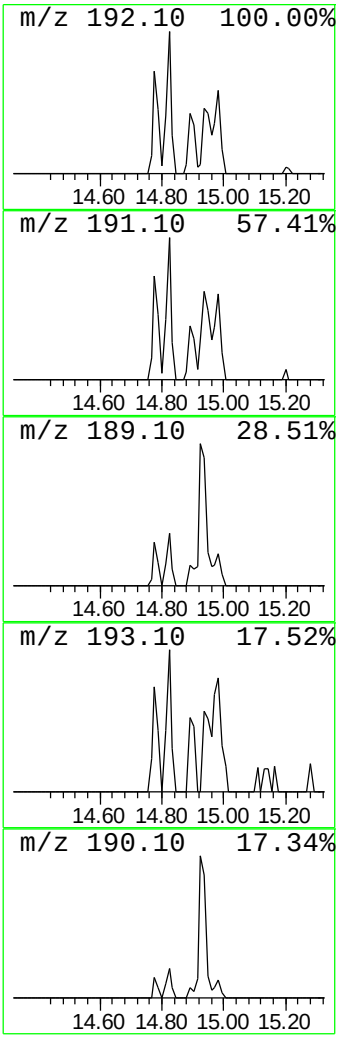
Peak Number 5 Phenanthrene, 2-methyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.82	2.13 ng	37652	Phenanthrene-d10	13.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	94
3	Anthracene, 1-methyl-	192	C15H12	000610-48-0	93
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	93
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	87





Data Path : Z:\HPCHEM1\BNA F\DATA\BF042115\
Data File : BF078699.D
Acq On : 21 Apr 2015 23:11
Operator : TP/IZ
Sample : G1938-13 5X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-81S

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040115.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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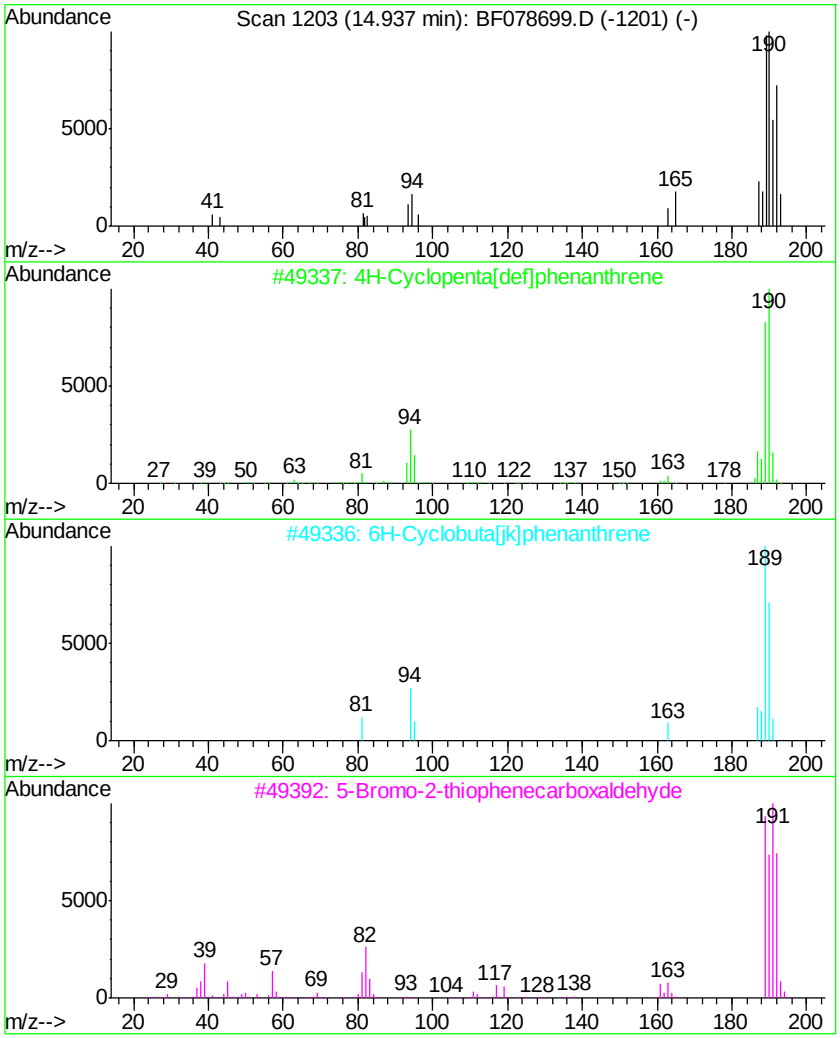
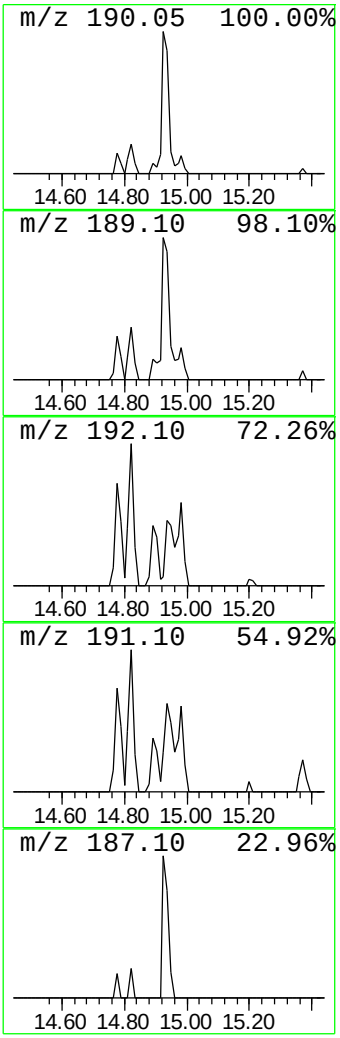
Peak Number 6 4H-Cyclopenta[def]phenanthrene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.94	3.38 ng	59808	Phenanthrene-d10	13.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	52
2	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	42
3	5-Bromo-2-thiophenecarboxaldehyde	190	C5H3BrOS	004701-17-1	42
4	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	38
5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	27





Data Path : Z:\HPCHEM1\BNA F\DATA\BF042115\
Data File : BF078699.D
Acq On : 21 Apr 2015 23:11
Operator : TP/IZ
Sample : G1938-13 5X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-81S

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040115.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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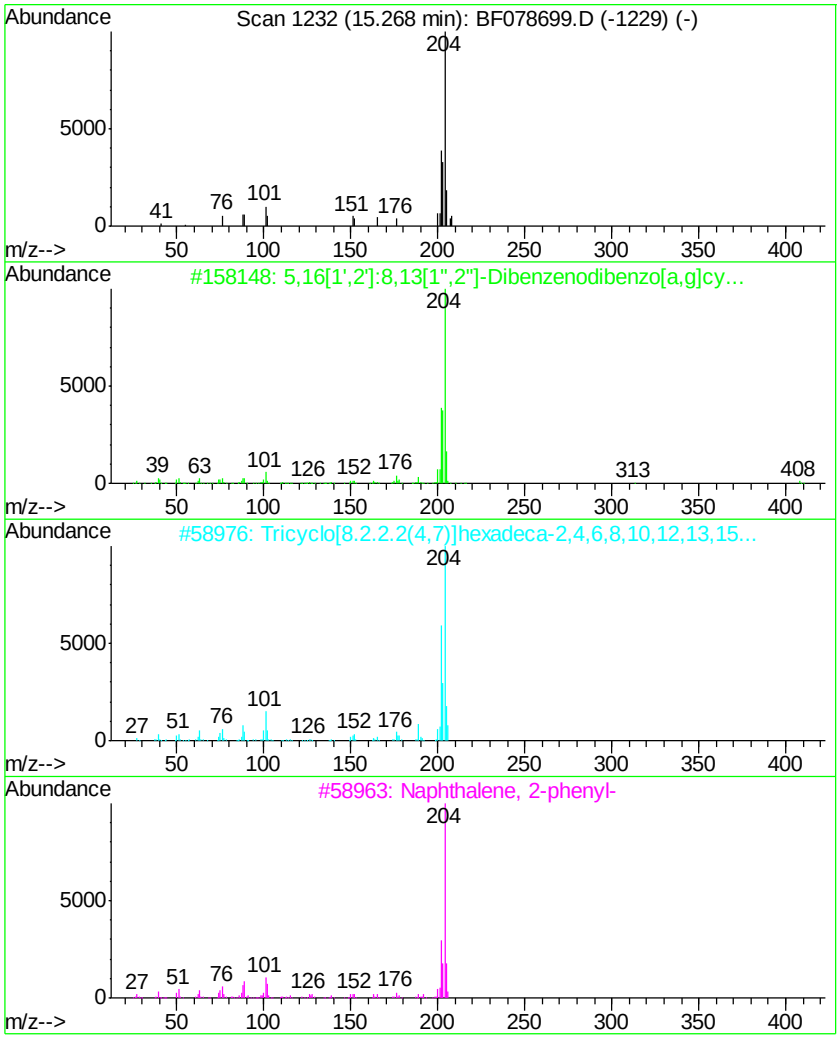
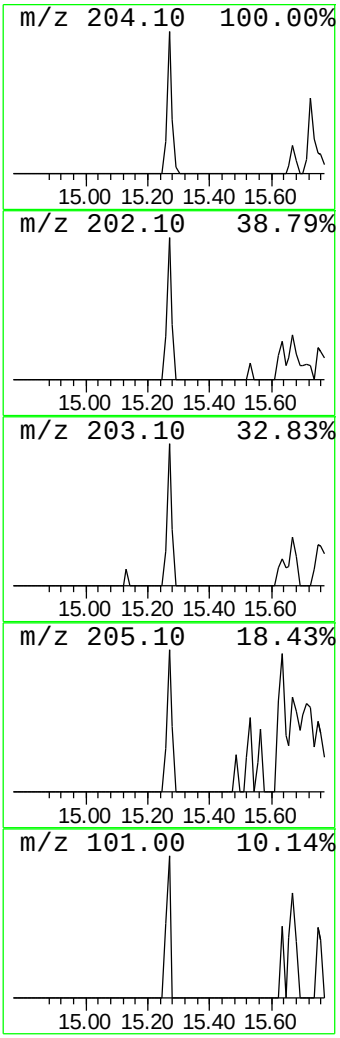
Peak Number 7 5,16[1',2']:8,13[1'',2'']-D... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.27	2.27 ng	40187	Phenanthrene-d10	13.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	83
2	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	70
3	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	64
4	2-Phenylnaphthalene	204	C16H12	035465-71-5	62
5	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	58





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Sample : G1938-13 5X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-81S

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040115.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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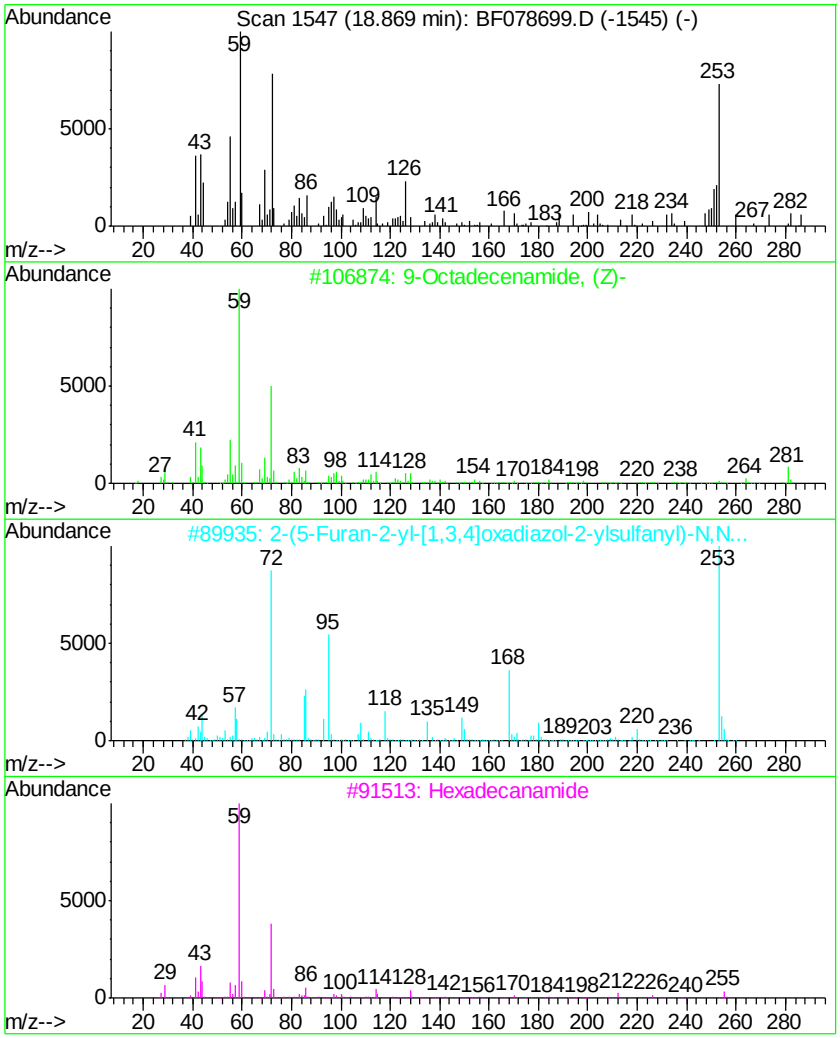
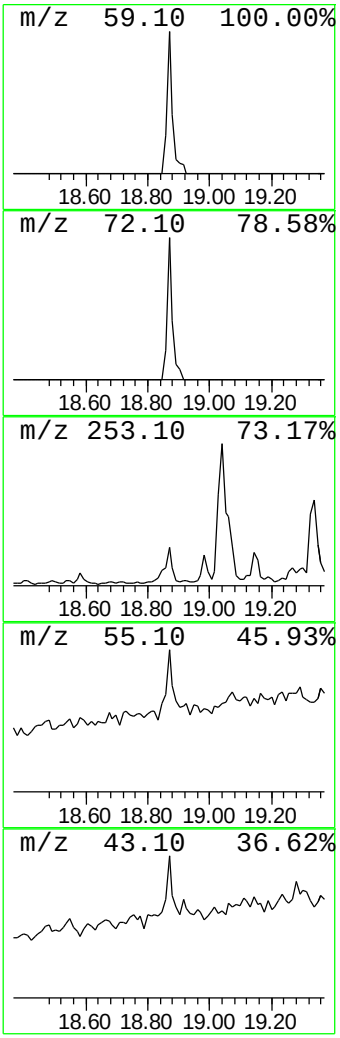
Peak Number 10 unknown18.87 Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.87	2.24 ng	52667	Perylene-d12	19.45

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9-Octadecenamide, (Z)-	281	C18H35NO	000301-02-0	46
2	2-(5-Furan-2-yl-[1,3,4]oxadiazol...	253	C10H11N3O3S	346639-64-3	38
3	Hexadecanamide	255	C16H33NO	000629-54-9	38
4	Pentadecanamide, 15-bromo-	319	C15H30BrNO	1000163-86-1	27
5	Tridecanoic acid, thiophen-2-ylm...	322	C18H30N2OS	1000259-08-5	22





Data Path : Z:\HPCHEM1\BNA F\DATA\BF042115\
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Acq On : 21 Apr 2015 23:11
Operator : TP/IZ
Sample : G1938-13 5X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-81S

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040115.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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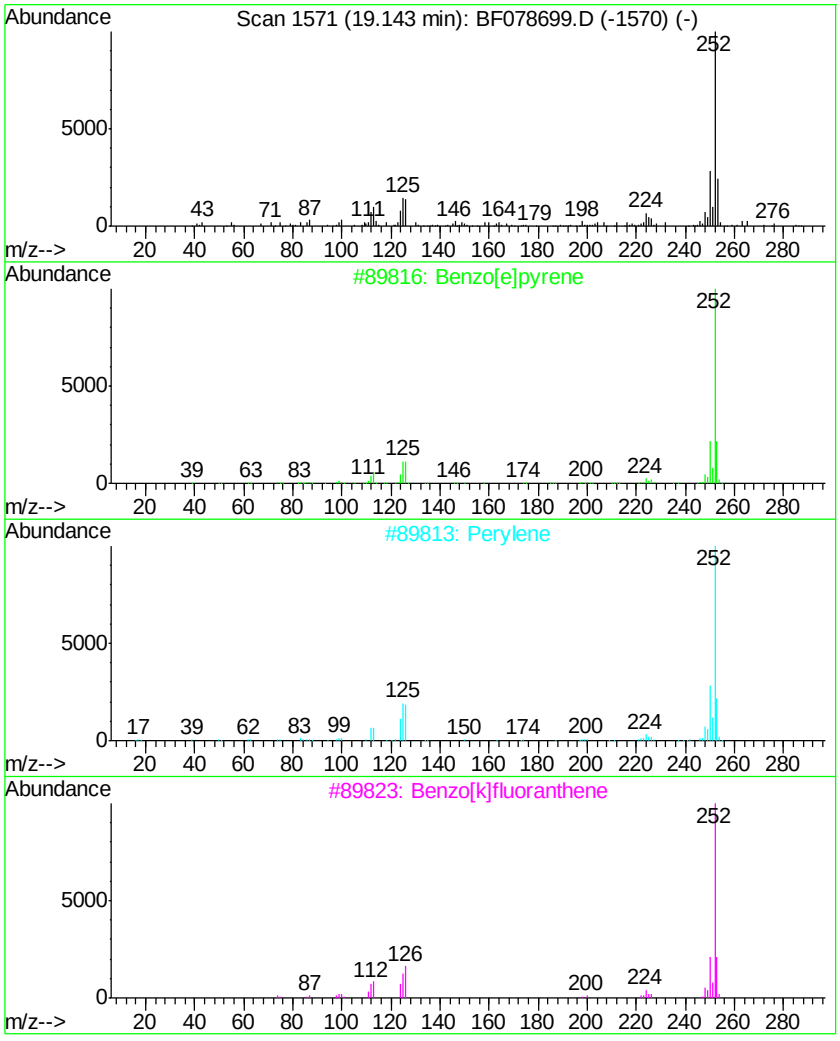
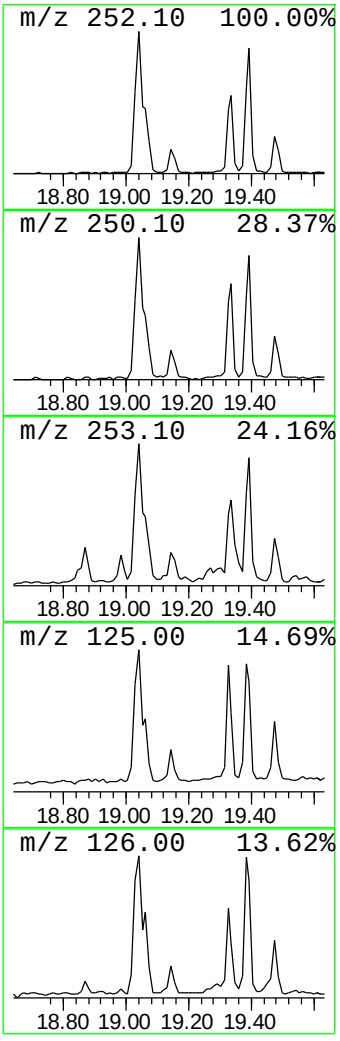
Peak Number 11 Benzo[e]pyrene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.14	2.58 ng	60537	Perylene-d12	19.45

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	97
2	Perylene	252	C20H12	000198-55-0	95
3	Benzo[k]fluoranthene	252	C20H12	000207-08-9	94
4	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	93
5	Benzo[j]fluoranthene	252	C20H12	000205-82-3	91





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Acq On : 21 Apr 2015 23:11
Operator : TP/IZ
Sample : G1938-13 5X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-81S

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040115.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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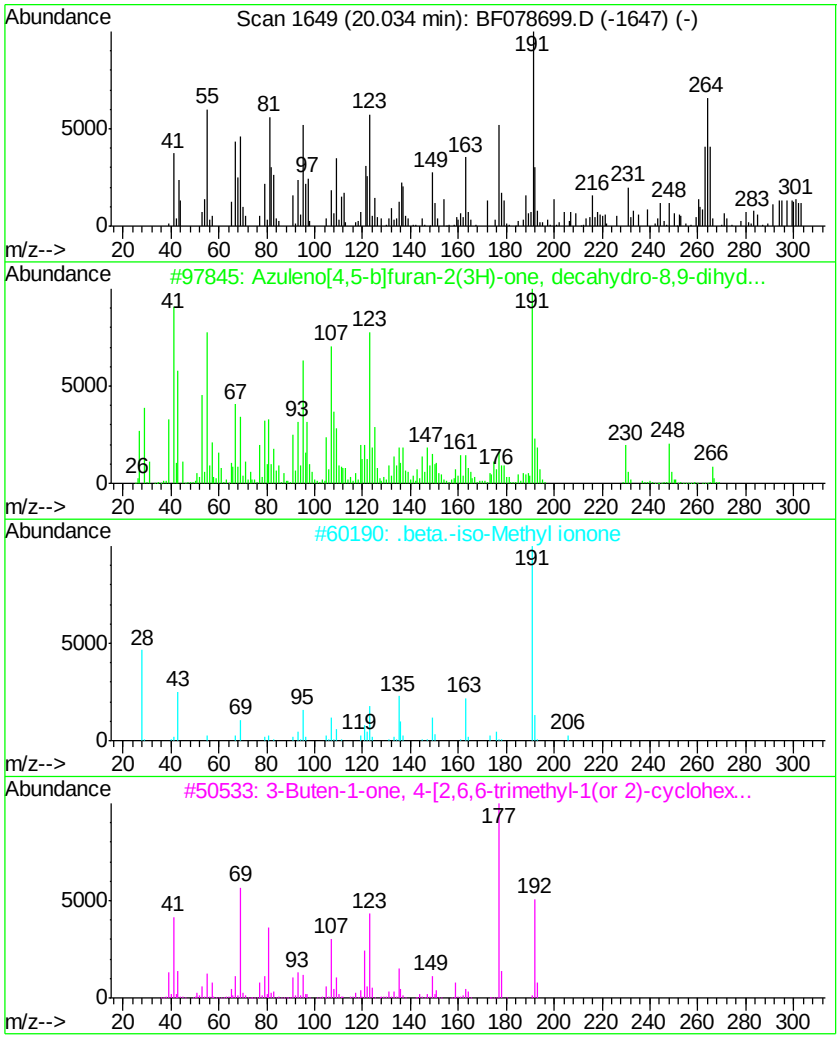
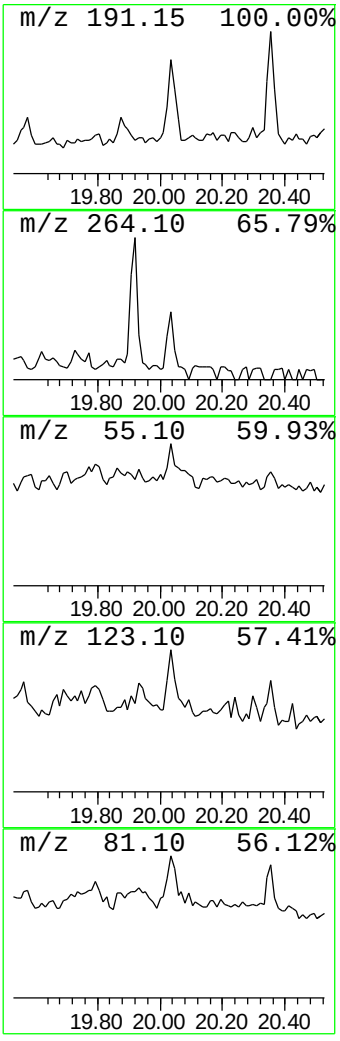
Peak Number 13 unknown20.03 Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.03	4.47 ng	105021	Perylene-d12	19.45

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Azuleno[4,5-b]furan-2(3H)-one, d...	266	C15H22O4	005090-67-5	32
2	.beta.-iso-Methyl ionone	206	C14H22O	1000285-40-2	27
3	3-Buten-1-one, 4-[2,6,6-trimethy...	192	C13H20O	085949-43-5	25
4	2H-1,2,3-Triazole-4-carboxaldehy...	191	C9H6FN3O	051306-43-5	22
5	3,4-Dimethoxy-N,N-diethyl cinnamide	263	C15H21NO3	185410-48-4	22





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF042115\
Data File : BF078699.D
Acq On : 21 Apr 2015 23:11
Operator : TP/IZ
Sample : G1938-13 5X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-81S

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040115.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
unknown5.46	5.46	12.0	ng	117750	1	5.82	195836	20.0
Phenanthrene, 2-m...	14.82	2.1	ng	37652	4	13.90	353748	20.0
4H-Cyclopenta[def...	14.94	3.4	ng	59808	4	13.90	353748	20.0
5,16[1',2']:8,13[...	15.27	2.3	ng	40187	4	13.90	353748	20.0
unknown18.87	18.87	2.2	ng	52667	6	19.45	470145	20.0
Benzo[e]pyrene	19.14	2.6	ng	60537	6	19.45	470145	20.0
unknown20.03	20.03	4.5	ng	105021	6	19.45	470145	20.0