LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF101817\
Data File : BF099641.D
Acq On : 19 Oct 2017 2:19
Operator : SJ/JU
Sample : I5896-01
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B-19(0-10)COMP

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-BF092317.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	5.046	500	503	515	rBV	228364	272788	20.07%	1.747%
2	5.457	570	573	590	rBV	1408014	1343495	98.83%	8.606%
3	6.469	742	745	757	rBV	1337268	1298386	95.52%	8.317%
4	6.604	764	768	771	rBV	1429073	1359336	100.00%	8.707%
5	6.828	803	806	815	rBV	557338	445839	32.80%	2.856%
6	6.981	829	832	836	rBV	1220620	1107514	81.47%	7.094%
7	7.392	898	902	914	rBV	875081	760648	55.96%	4.872%
8	8.110	1020	1024	1027	rBV	639164	519767	38.24%	3.329%
9	9.181	1201	1206	1209	rBV	1475699	1202160	88.44%	7.701%
10	9.575	1270	1273	1278	rBB	30919	24841	1.83%	0.159%
11	9.728	1293	1299	1304	rBV	15430	16093	1.18%	0.103%
12	9.863	1318	1322	1326	rBV	547368	448723	33.01%	2.874%
13	10.651	1453	1456	1466	rVB	618220	556312	40.93%	3.564%
14	11.351	1571	1575	1577	rBV	557453	441166	32.45%	2.826%
15	11.375	1577	1579	1584	rVV	207374	163616	12.04%	1.048%
16	11.427	1584	1588	1591	rVB	48626	40321	2.97%	0.258%
17	11.592	1610	1616	1619	rBV2	14627	18773	1.38%	0.120%
18	11.851	1658	1660	1662	rBV	37196	34181	2.51%	0.219%
19	11.880	1662	1665	1668	rVV	56815	56047	4.12%	0.359%
20	11.927	1671	1673	1676	rVV	21962	19103	1.41%	0.122%
21	11.963	1676	1679	1682	rVV2	52056	61863	4.55%	0.396%
22	11.986	1682	1683	1688	rVB	32704	20545	1.51%	0.132%
23	12.145	1707	1710	1713	rBV	28124	22415	1.65%	0.144%
24	12.186	1714	1717	1720	rVB	19693	18989	1.40%	0.122%
25	12.298	1730	1736	1739	rBV5	12382	20322	1.49%	0.130%
26	12.398	1748	1753	1756	rBV	36467	44424	3.27%	0.285%
27	12.422	1756	1757	1762	rVV4	21599	32884	2.42%	0.211%
28	12.498	1766	1770	1772	rVB2	27587	29533	2.17%	0.189%
29	12.569	1778	1782	1785	rBV	425325	397765	29.26%	2.548%
30	12.598	1785	1787	1790	rVB4	14666	17698	1.30%	0.113%
31	12.722	1804	1808	1809	rBV2	17023	19168	1.41%	0.123%
32	12.798	1814	1821	1827	rBV	437444	478597	35.21%	3.066%
33	12.845	1827	1829	1833	rBV2	24412	21614	1.59%	0.138%
34	12.933	1835	1844	1847	rBV	1254394	1116561	82.14%	7.152%

LSC Area Percent Report

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Misc :
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Instrument : BNA_F
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Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	13.010	1853	1857	1861	rBV3	33267	59050	4.34%	0.378%
36	13.121	1869	1876	1879	rBV2	58011	112903	8.31%	0.723%
37	13.145	1879	1880	1883	rVV	26885	22169	1.63%	0.142%
38	13.186	1885	1887	1890	rVV	32388	30028	2.21%	0.192%
39	13.227	1890	1894	1901	rVV3	51984	71015	5.22%	0.455%
40	13.321	1907	1910	1912	rBV	33031	26276	1.93%	0.168%
41	13.351	1912	1915	1921	rVB2	32881	42068	3.09%	0.269%
42	13.492	1935	1939	1942	rBV3	35147	40450	2.98%	0.259%
43	13.639	1961	1964	1967	rBV	48437	43550	3.20%	0.279%
44	13.745	1979	1982	1984	rBV	51675	41145	3.03%	0.264%
45	13.768	1984	1986	1988	rVV	50161	36020	2.65%	0.231%
46	13.816	1988	1994	1997	rVV4	124959	165412	12.17%	1.060%
47	13.845	1997	1999	2004	rVB	51195	52560	3.87%	0.337%
48	13.957	2015	2018	2020	rBV	40984	36226	2.66%	0.232%
49	13.998	2020	2025	2027	rVV2	627997	811820	59.72%	5.200%
50	14.021	2027	2029	2033	rVB	253244	209910	15.44%	1.345%
51	14.098	2040	2042	2045	rVB	30539	28750	2.12%	0.184%
52	14.133	2046	2048	2050	rVV	24093	16650	1.22%	0.107%
53	14.380	2088	2090	2093	rVB2	42749	34034	2.50%	0.218%
54	14.439	2098	2100	2101	rBV	37851	29604	2.18%	0.190%
55	14.880	2172	2175	2181	rVB3	47240	57360	4.22%	0.367%
56	15.033	2198	2201	2204	rBV	183008	253569	18.65%	1.624%
57	15.145	2218	2220	2224	rVB	43518	37877	2.79%	0.243%
58	15.339	2250	2253	2258	rVB	117213	137538	10.12%	0.881%
59	15.398	2260	2263	2267	rBV	142485	166945	12.28%	1.069%
60	15.463	2270	2274	2277	rVB	288794	320214	23.56%	2.051%
61	15.868	2340	2343	2348	rVB2	30697	42230	3.11%	0.271%
62	16.939	2520	2525	2532	rVB2	86016	165596	12.18%	1.061%
63	17.386	2598	2601	2609	rVB	47191	88669	6.52%	0.568%

Sum of corrected areas: 15611125

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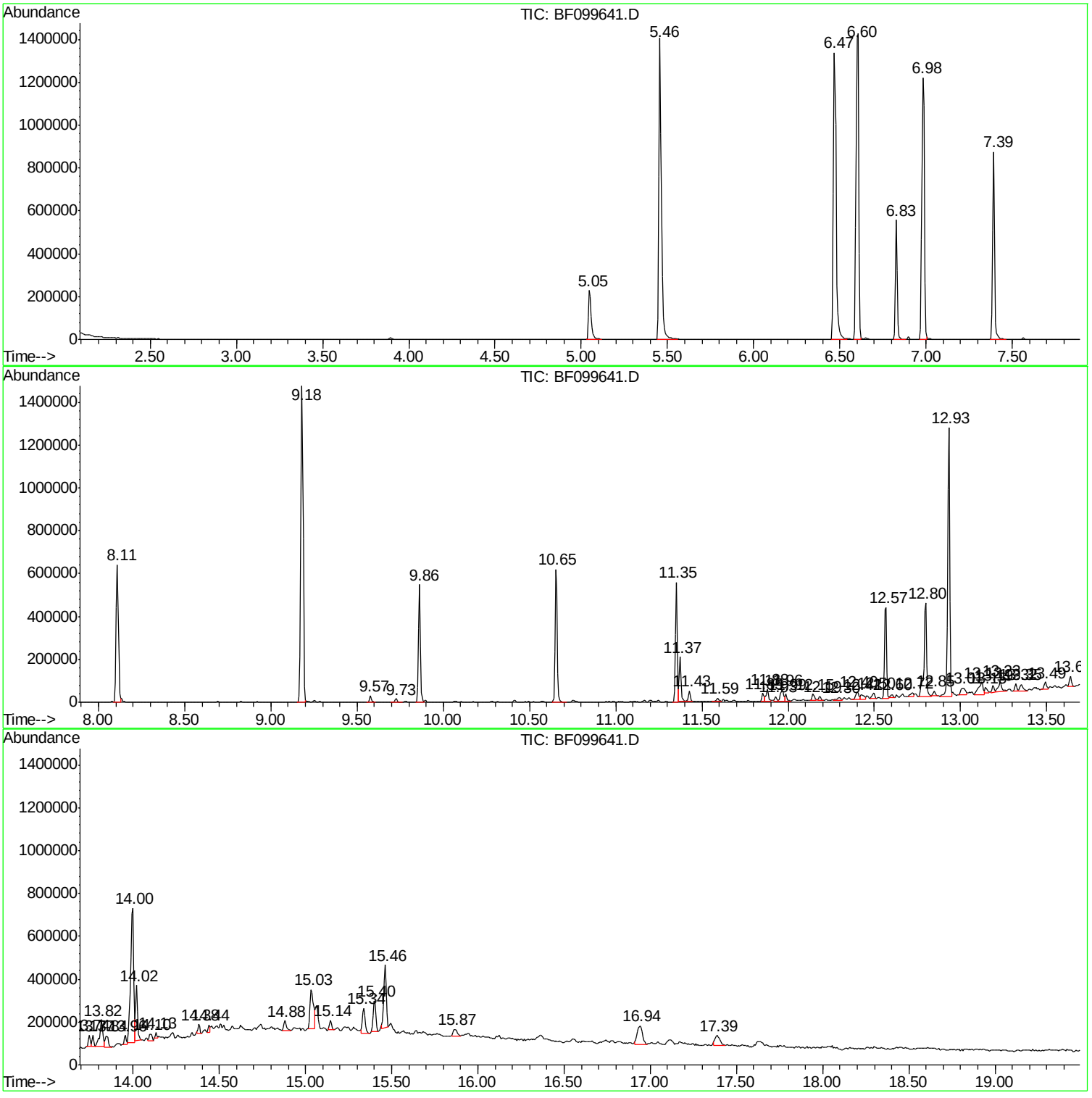
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



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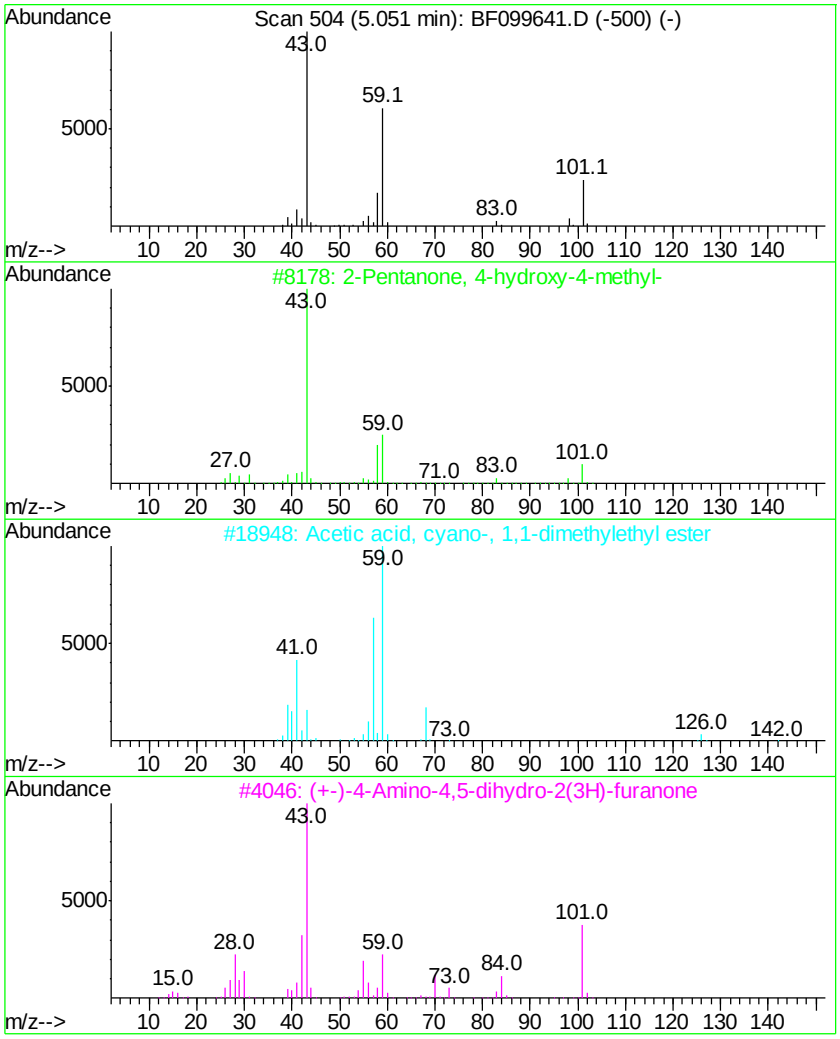
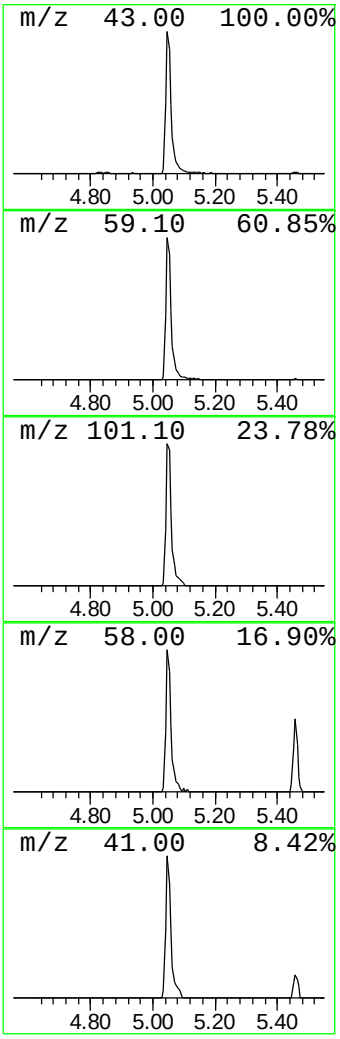
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.05	12.24 ng	272788	1,4-Dichlorobenzene-d4	6.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	50
2	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	23
3	(+-)-4-Amino-4,5-dihydro-2(3H)-f...	101	C4H7NO2	016504-58-8	9
4	5-Hexen-2-one	98	C6H10O	000109-49-9	9
5	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	9





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Instrument : BNA_F
ClientSampleId : B-19(0-10)COMP

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092317.M
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TIC Library : C:\DATABASE\NIST11.L
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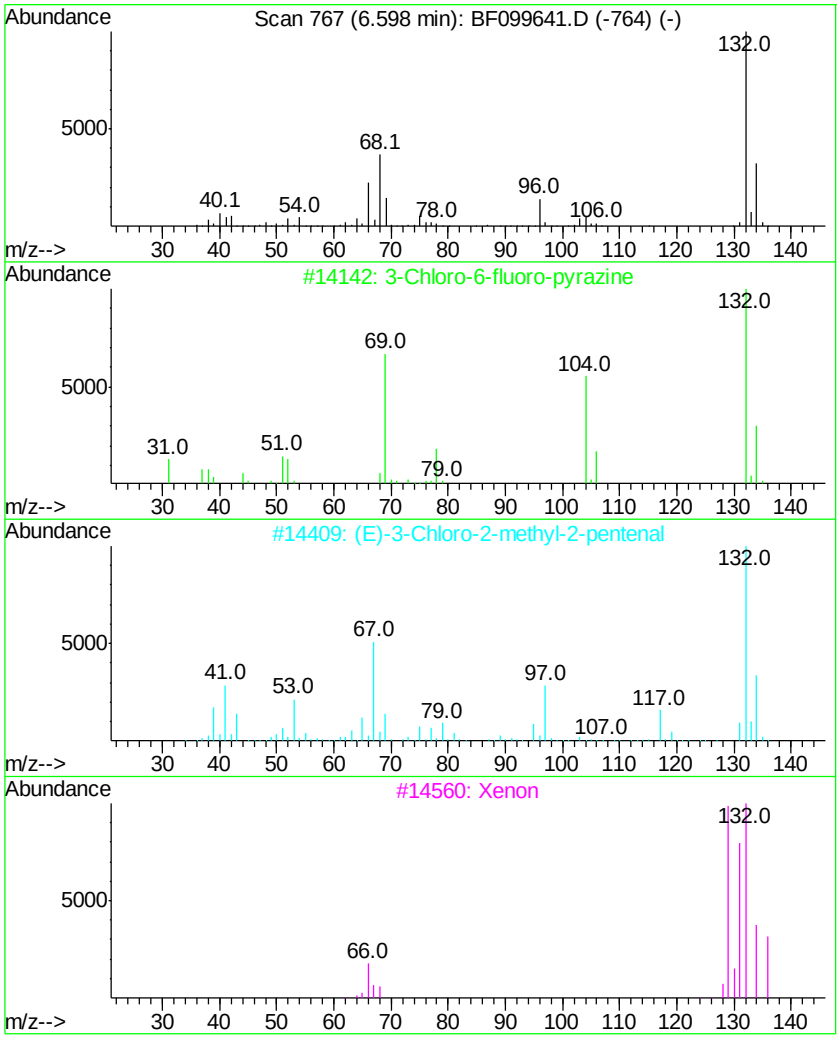
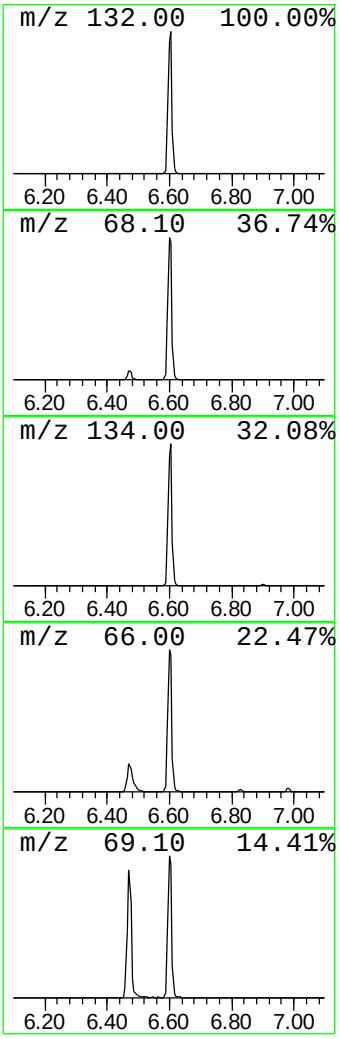
Peak Number 2 unknown6.60 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.60	60.98 ng	1359340	1,4-Dichlorobenzene-d4	6.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	38
2	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	12
3	Xenon	132	Xe	007440-63-3	9
4	4-Methylpyrrolo[1,2-a]pyrazine	132	C8H8N2	064608-60-2	9
5	5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	9





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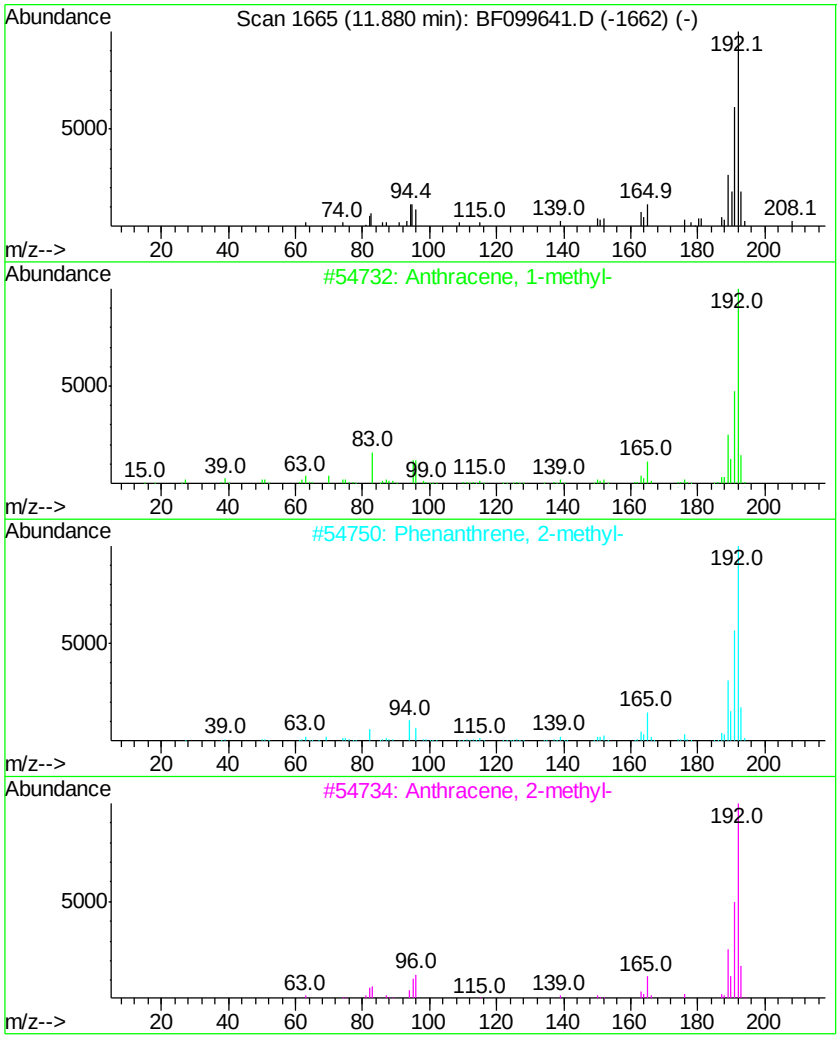
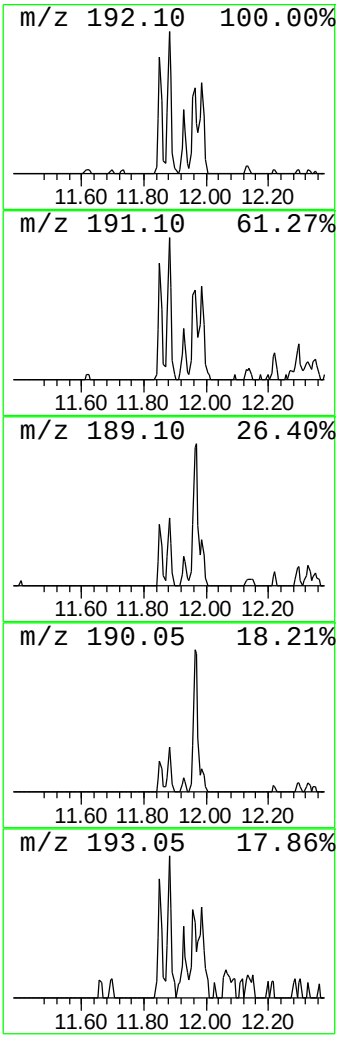
Peak Number 4 Anthracene, 1-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.88	2.54 ng	56047	Phenanthrene-d10	11.35

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 1-methyl-	192	C15H12	000610-48-0	89
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	89
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	87
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	87
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	86





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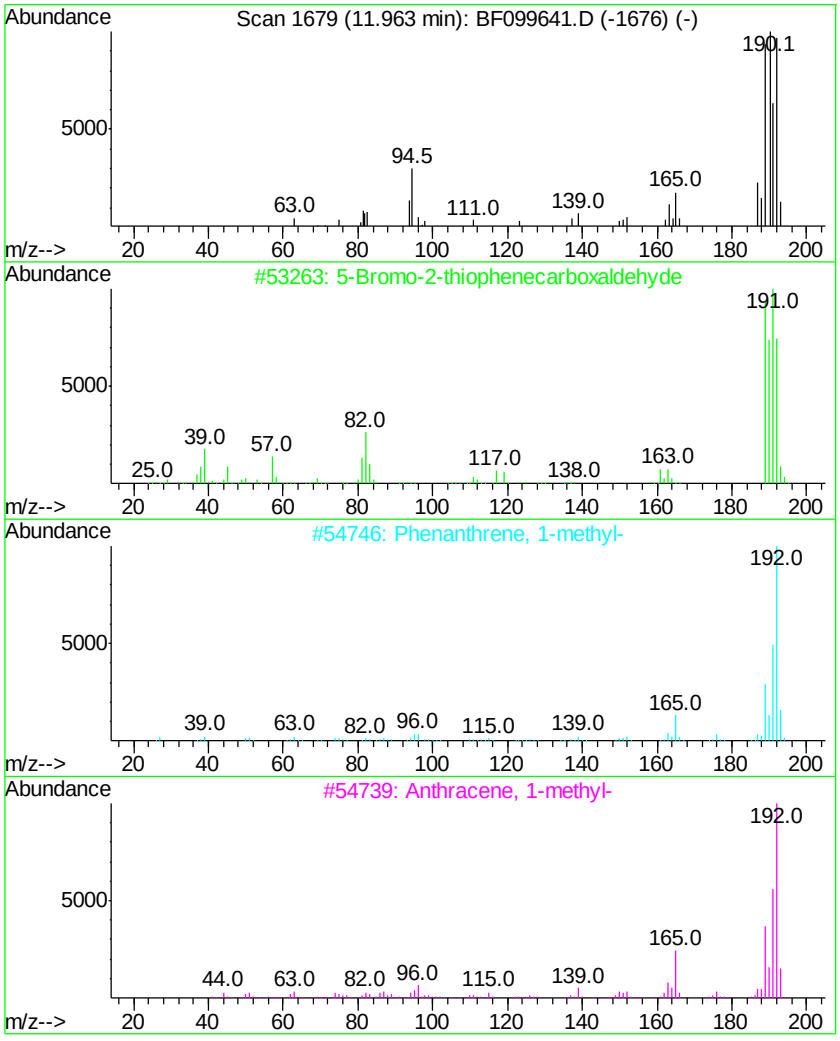
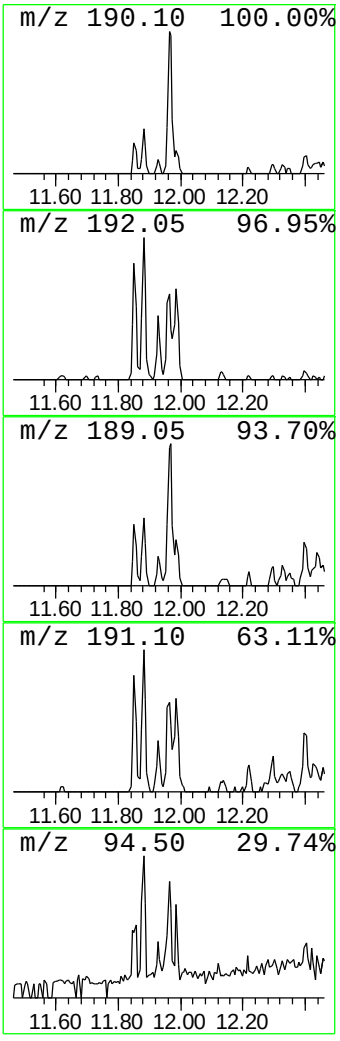
Peak Number 5 5-Bromo-2-thiophenecarboxal... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.96	2.80 ng	61863	Phenanthrene-d10	11.35

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5-Bromo-2-thiophenecarboxaldehyde	190	C5H3BrOS	004701-17-1	52
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	42
3	Anthracene, 1-methyl-	192	C15H12	000610-48-0	42
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	38
5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	38





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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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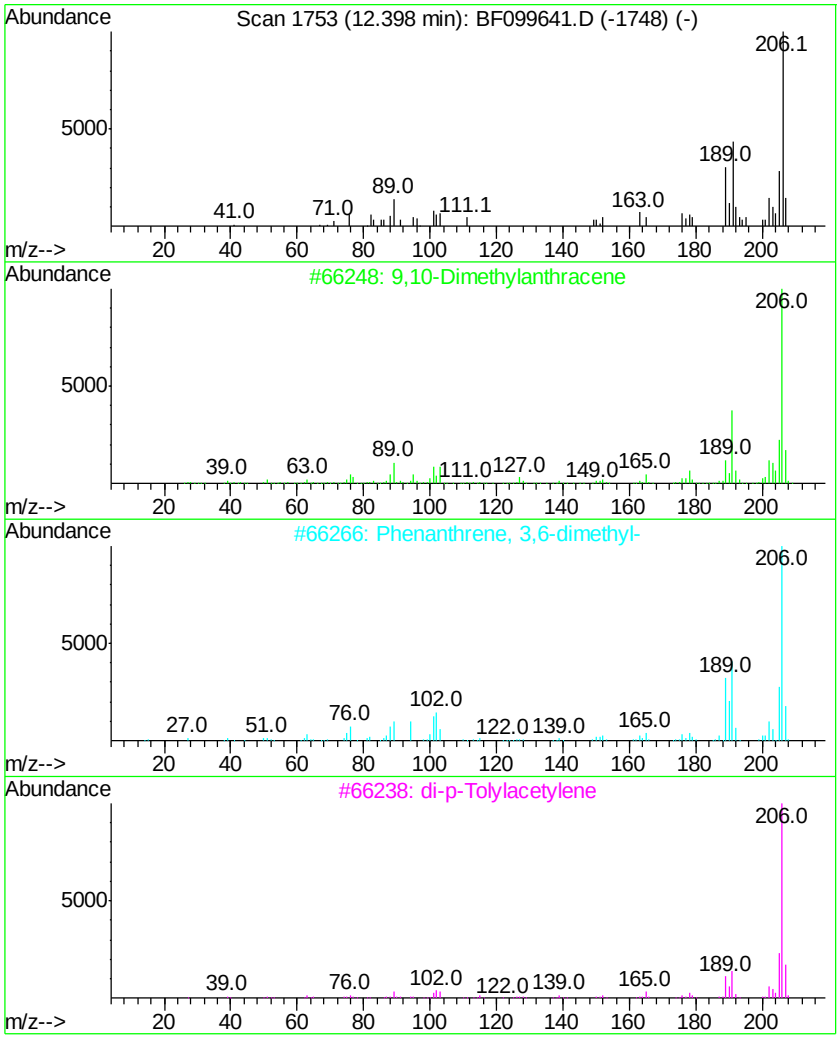
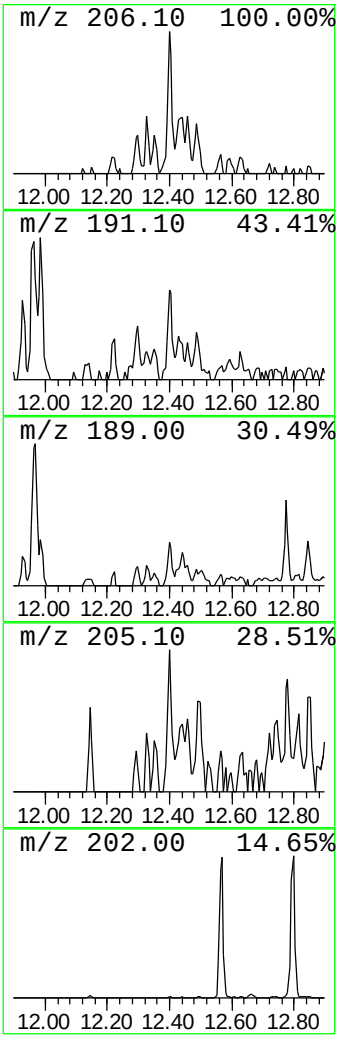
Peak Number 6 9,10-Dimethylanthracene Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.40	2.01 ng	44424	Phenanthrene-d10	11.35

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Dimethylanthracene	206	C16H14	000781-43-1	94
2	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	90
3	di-p-Tolylacetylene	206	C16H14	002789-88-0	90
4	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	81
5	1,3-Diphenyl-3-methylcyclopropene	206	C16H14	086544-79-8	81





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TIC Library : C:\DATABASE\NIST11.L
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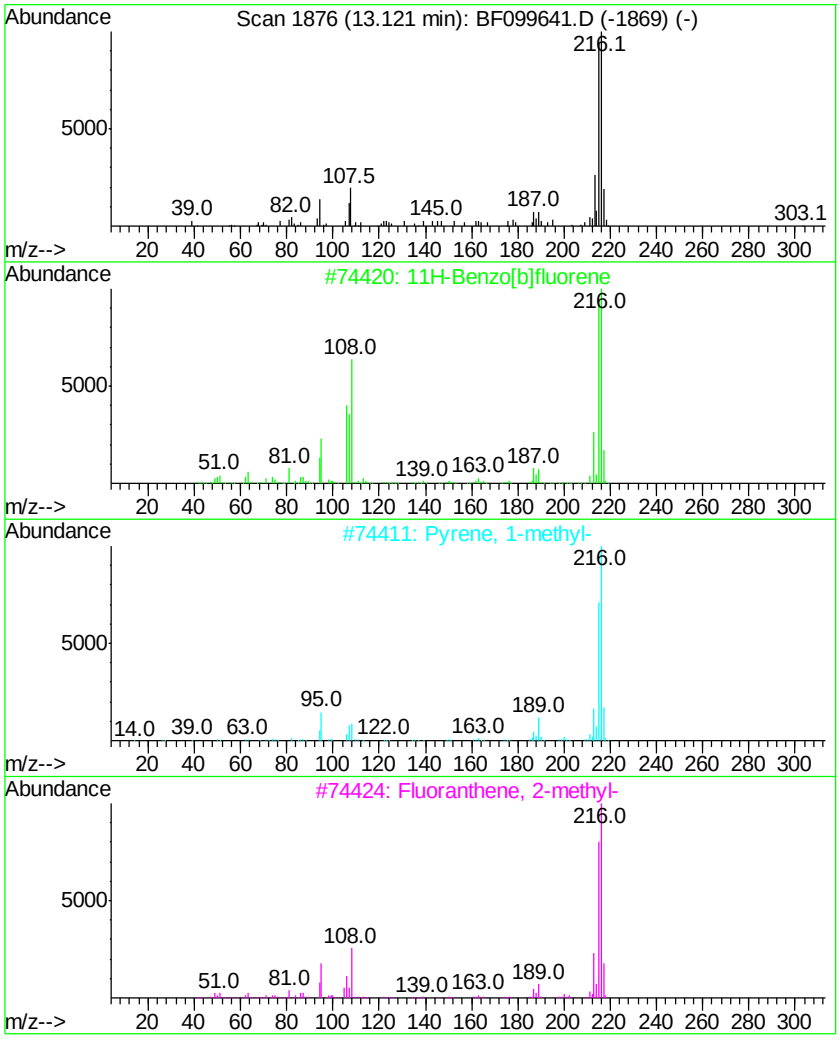
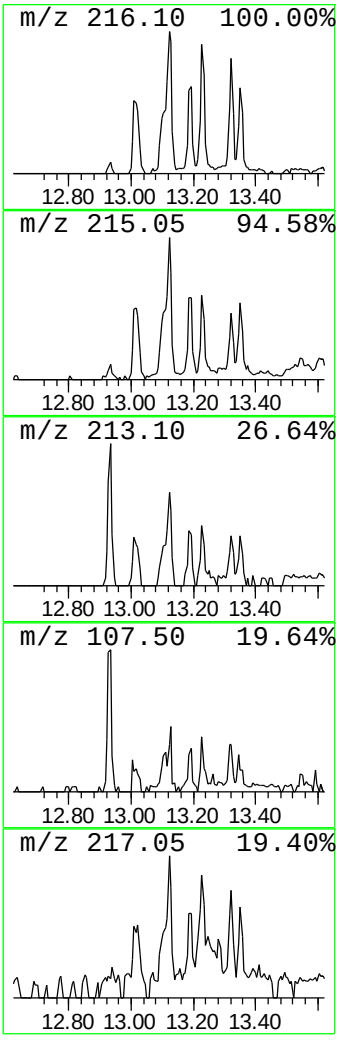
Peak Number 7 11H-Benzo[b]fluorene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.12	2.78 ng	112903	Chrysene-d12	14.00

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	94
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	87
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	87
4	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	81
5	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	81





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Instrument : BNA_F
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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092317.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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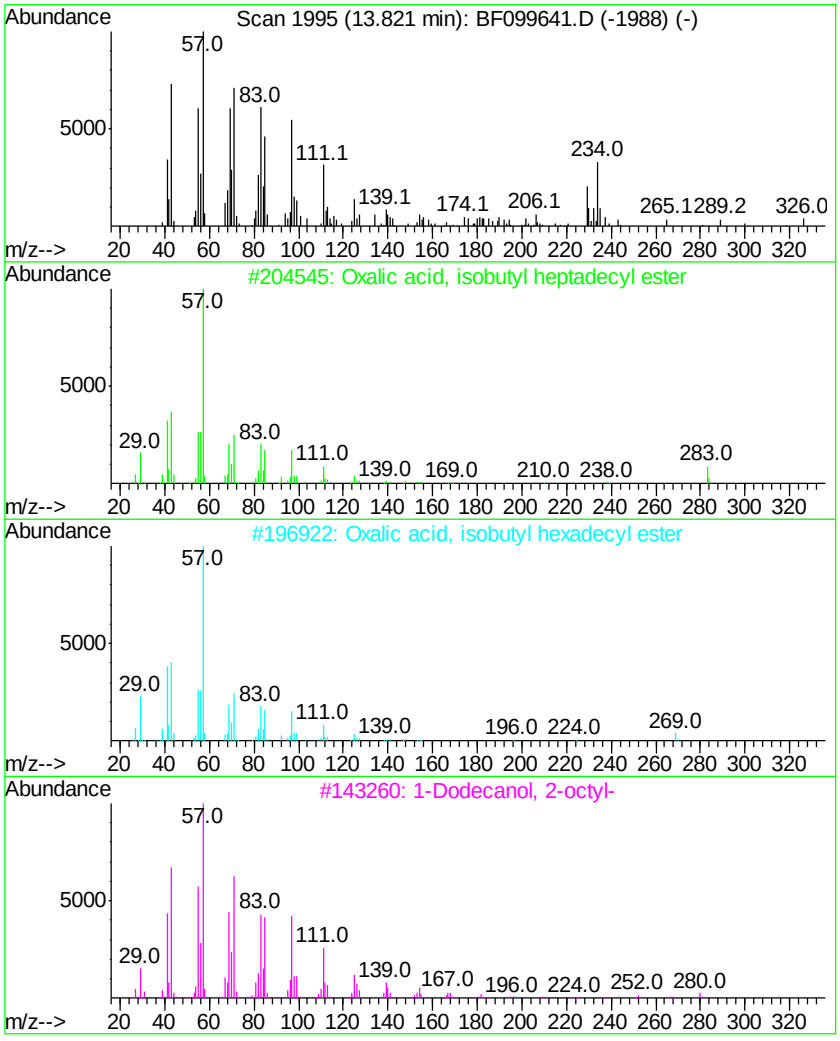
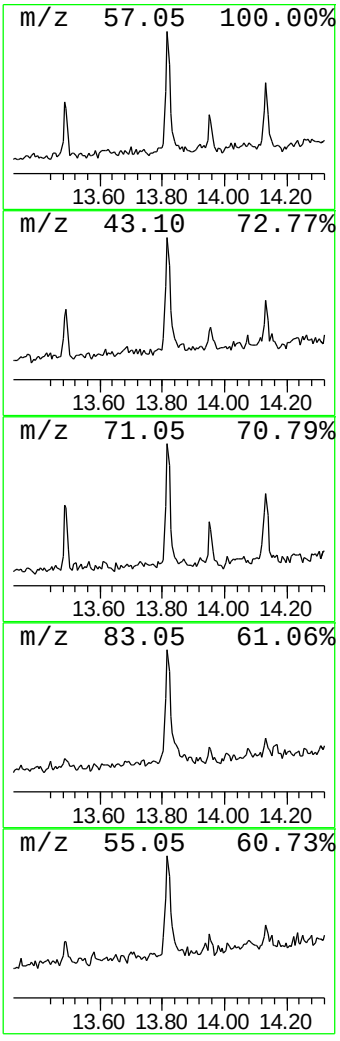
Peak Number 8 Oxalic acid, isobutyl hepta... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.82	4.08 ng	165412	Chrysene-d12	14.00

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Oxalic acid, isobutyl heptadecyl...	384	C23H44O4	1000309-38-2	68
2	Oxalic acid, isobutyl hexadecyl ...	370	C22H42O4	1000309-38-1	68
3	1-Dodecanol, 2-octyl-	298	C20H42O	005333-42-6	68
4	1-Decanol, 2-hexyl-	242	C16H34O	002425-77-6	53
5	Trichloroacetic acid, pentadecyl...	372	C17H31Cl3O2	074339-53-0	50





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ClientSampleId : B-19(0-10)COMP

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092317.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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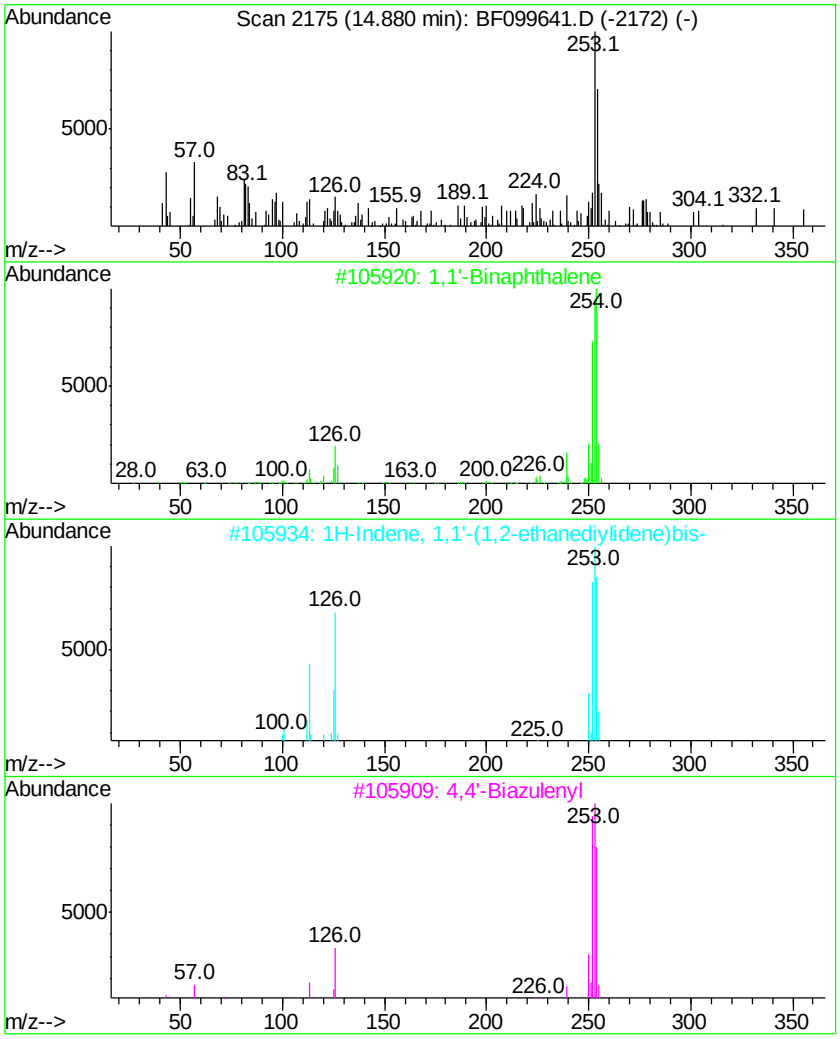
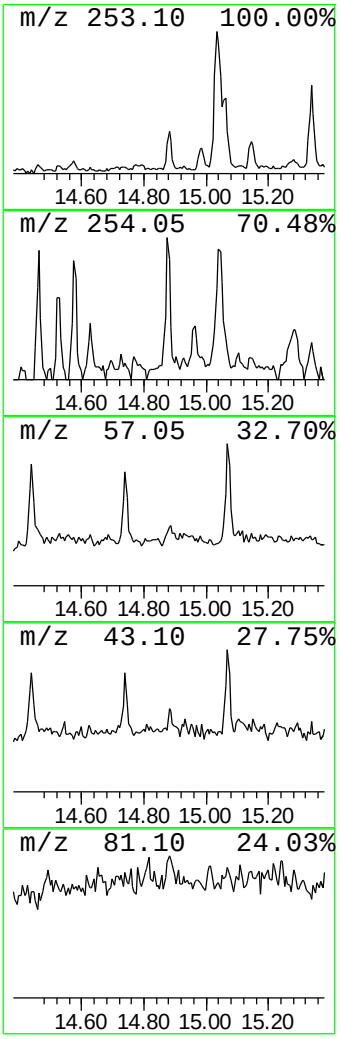
Peak Number 9 1,1'-Binaphthalene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.88	3.58 ng	57360	Perylene-d12	15.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Binaphthalene	254	C20H14	000604-53-5	95
2	1H-Indene, 1,1'-(1,2-ethanediyli...	254	C20H14	072088-04-1	62
3	4,4'-Biazulenyl	254	C20H14	094053-54-0	58
4	4,5-Dihydrobenzo[e]pyrene	254	C20H14	095676-42-9	58
5	9H-Fluorene, 9-(phenylmethylene)-	254	C20H14	001836-87-9	52





Data Path : Z:\HPCHEM1\BNA F\DATA\BF101817\
Data File : BF099641.D
Acq On : 19 Oct 2017 2:19
Operator : SJ/JU
Sample : I5896-01
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B-19(0-10)COMP

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092317.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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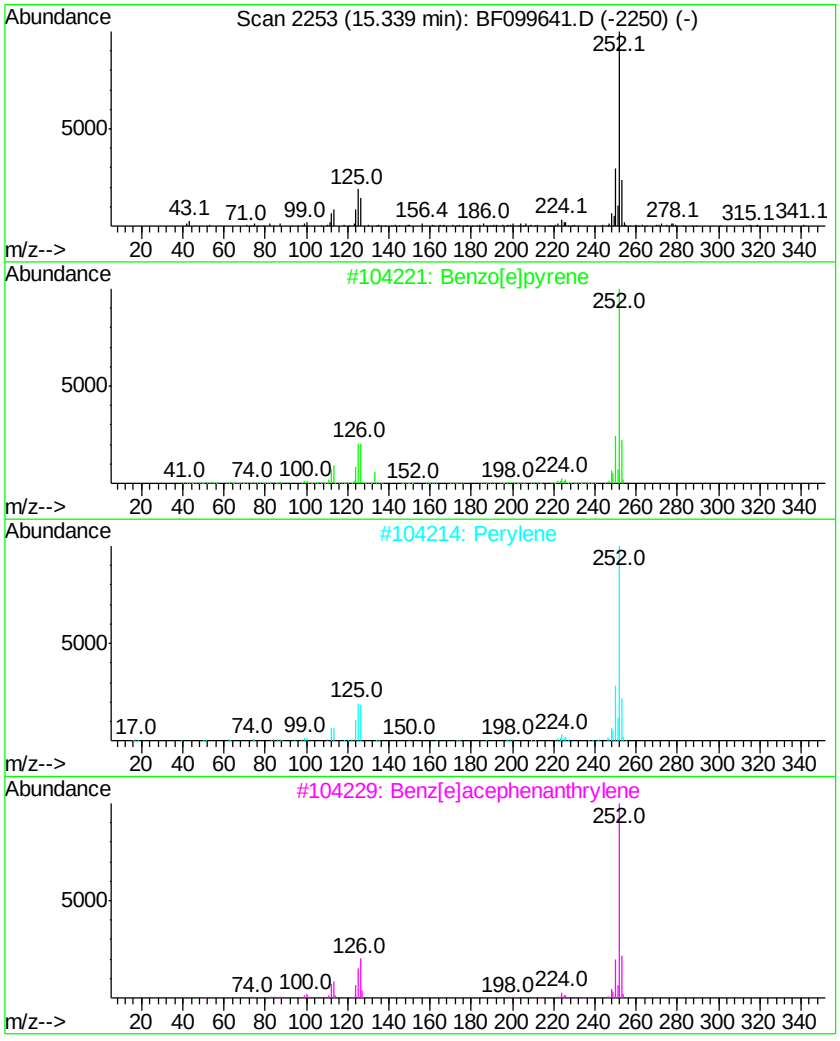
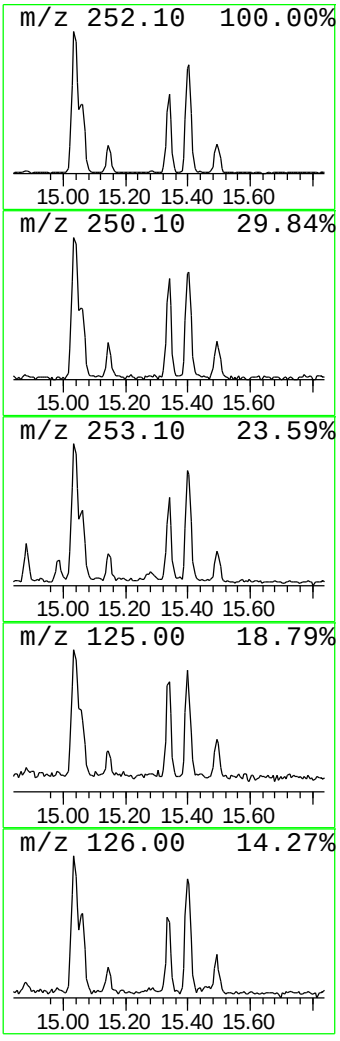
Peak Number 11 Benzo[e]pyrene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.34	8.59 ng	137538	Perylene-d12	15.46

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	95
3	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	94
4	Benzo[j]fluoranthene	252	C20H12	000205-82-3	94
5	Benzo[k]fluoranthene	252	C20H12	000207-08-9	93





Data Path : Z:\HPCHEM1\BNA F\DATA\BF101817\
Data File : BF099641.D
Acq On : 19 Oct 2017 2:19
Operator : SJ/JU
Sample : I5896-01
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B-19(0-10)COMP

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092317.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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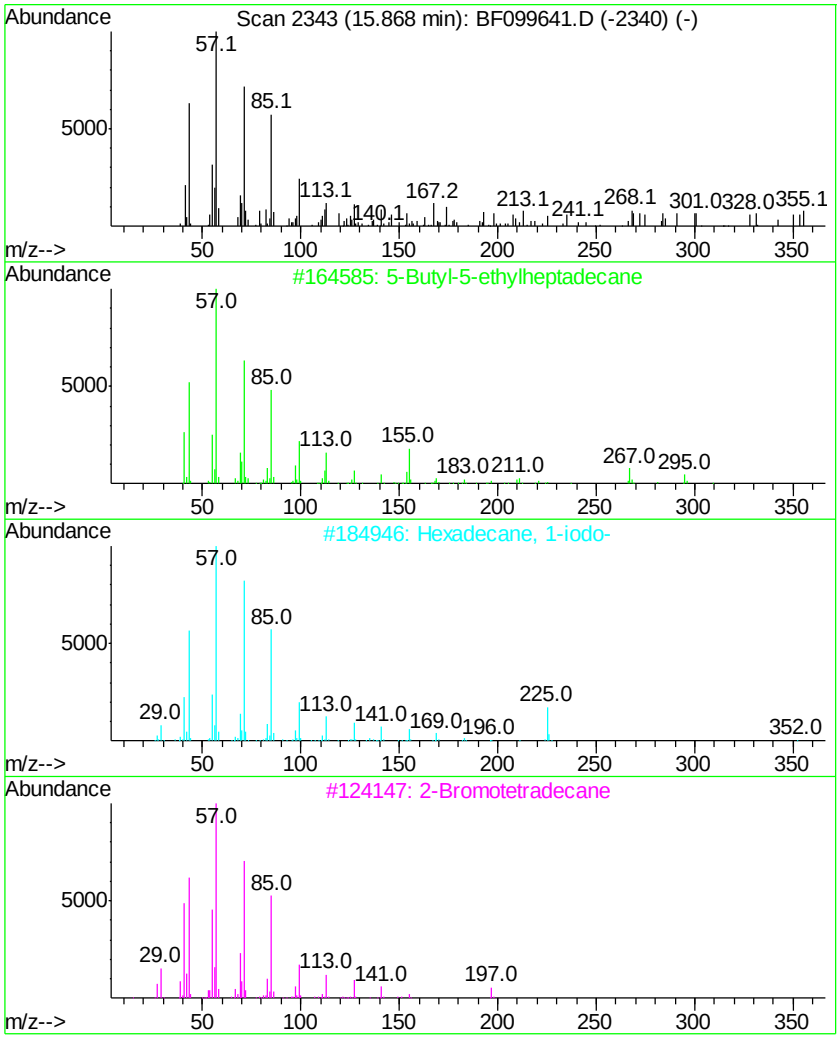
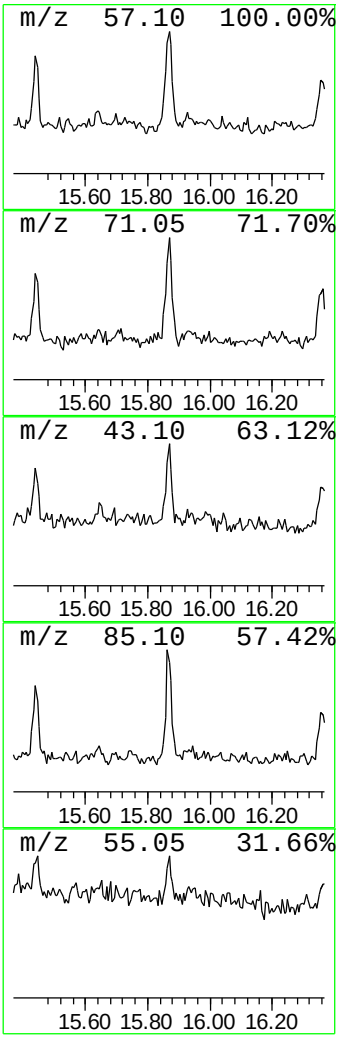
Peak Number 12 5-Butyl-5-ethylheptadecane Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.87	2.64 ng	42230	Perylene-d12	15.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5-Butyl-5-ethylheptadecane	324	C23H48	1000360-43-0	64
2	Hexadecane, 1-iodo-	352	C16H33I	000544-77-4	59
3	2-Bromotetradecane	276	C14H29Br	074036-95-6	59
4	Nonadecane	268	C19H40	000629-92-5	58
5	Heptadecane, 2,6,10,15-tetramethyl-	296	C21H44	054833-48-6	52





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF101817\
Data File : BF099641.D
Acq On : 19 Oct 2017 2:19
Operator : SJ/JU
Sample : I5896-01
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B-19(0-10)COMP

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092317.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
2-Pentanone, 4-hy...	5.05	12.2	ng	272788	1	6.83	445839	20.0
unknown6.60	6.60	61.0	ng	1359340	1	6.83	445839	20.0
Anthracene, 1-met...	11.88	2.5	ng	56047	4	11.35	441166	20.0
5-Bromo-2-thiophe...	11.96	2.8	ng	61863	4	11.35	441166	20.0
9,10-Dimethylanth...	12.40	2.0	ng	44424	4	11.35	441166	20.0
11H-Benzo[b]fluorene	13.12	2.8	ng	112903	5	14.00	811820	20.0
Oxalic acid, isob...	13.82	4.1	ng	165412	5	14.00	811820	20.0
1,1'-Binaphthalene	14.88	3.6	ng	57360	6	15.46	320214	20.0
Benzo[e]pyrene	15.34	8.6	ng	137538	6	15.46	320214	20.0
5-Butyl-5-ethylhe...	15.87	2.6	ng	42230	6	15.46	320214	20.0