LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF092817\
Data File : BF098932.D
Acq On : 29 Sep 2017 3:08
Operator : SJ/JU
Sample : I5491-01 5X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OR-02-092717

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	5.128	514	517	527	rBV	82486	90568	9.09%	0.803%
2	5.528	581	585	593	rBV	651159	537348	53.94%	4.762%
3	6.534	752	756	767	rVB	541228	497022	49.89%	4.405%
4	6.681	777	781	785	rBV	685076	533658	53.57%	4.730%
5	6.916	817	821	825	rBV	947627	735534	73.83%	6.519%
6	7.069	844	847	851	rBV	501018	409561	41.11%	3.630%
7	7.469	912	915	919	rBV	305400	278425	27.95%	2.468%
8	8.198	1035	1039	1042	rBV	1080875	823177	82.63%	7.296%
9	9.269	1217	1221	1232	rBV	581727	465976	46.77%	4.130%
10	9.663	1285	1288	1296	rVB	51372	47974	4.82%	0.425%
11	9.816	1309	1314	1317	rBV	33524	30318	3.04%	0.269%
12	9.875	1317	1324	1326	rVB4	10114	16918	1.70%	0.150%
13	9.951	1334	1337	1341	rBV	732060	695080	69.77%	6.160%
14	9.986	1341	1343	1346	rVB	18370	15028	1.51%	0.133%
15	10.157	1366	1372	1376	rVB3	9861	12879	1.29%	0.114%
16	10.375	1400	1409	1412	rBV2	15840	20767	2.08%	0.184%
17	10.498	1427	1430	1436	rBV2	19956	23328	2.34%	0.207%
18	10.739	1468	1471	1476	rVB	241300	197411	19.82%	1.750%
19	10.845	1487	1489	1491	rBV	16868	18015	1.81%	0.160%
20	11.039	1517	1522	1526	rBV7	12121	20205	2.03%	0.179%
21	11.292	1562	1565	1567	rBV2	17455	14695	1.48%	0.130%
22	11.386	1577	1581	1584	rBV2	17899	22666	2.28%	0.201%
23	11.439	1586	1590	1593	rVV	784563	689148	69.18%	6.108%
24	11.463	1593	1594	1598	rVV	185861	124317	12.48%	1.102%
25	11.516	1600	1603	1606	rVB	47570	38049	3.82%	0.337%
26	11.669	1626	1629	1632	rBV	20370	17982	1.81%	0.159%
27	11.722	1635	1638	1642	rVB3	15025	15641	1.57%	0.139%
28	11.774	1644	1647	1651	rVB	13135	13362	1.34%	0.118%
29	11.816	1651	1654	1657	rVB	12859	11909	1.20%	0.106%
30	11.851	1657	1660	1664	rBV4	8667	13279	1.33%	0.118%
31	11.945	1673	1676	1678	rBV	36066	38901	3.90%	0.345%
32	11.969	1678	1680	1683	rVB	50381	43455	4.36%	0.385%
33	12.016	1685	1688	1691	rBV	18964	18900	1.90%	0.168%
34	12.057	1691	1695	1697	rBV2	65986	77232	7.75%	0.684%

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Integrator: RTE
Smoothing : ON Filtering: 5
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Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092317.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	12.127	1704	1707	1711	rBV2	20208	20808	2.09%	0.184%
36	12.174	1711	1715	1717	rVV3	16570	17325	1.74%	0.154%
37	12.233	1722	1725	1728	rVV	42339	39453	3.96%	0.350%
38	12.263	1728	1730	1736	rVB4	25438	29523	2.96%	0.262%
39	12.416	1753	1756	1758	rBV3	19751	16872	1.69%	0.150%
40	12.439	1758	1760	1764	rVB4	17282	14868	1.49%	0.132%
41	12.492	1765	1769	1771	rBV	41014	44302	4.45%	0.393%
42	12.516	1771	1773	1777	rVV4	28439	44733	4.49%	0.396%
43	12.574	1781	1783	1788	rBV2	28899	36586	3.67%	0.324%
44	12.657	1793	1797	1800	rVV	530862	462883	46.46%	4.102%
45	12.698	1800	1804	1806	rVV3	10896	14347	1.44%	0.127%
46	12.751	1810	1813	1815	rVV	21457	17634	1.77%	0.156%
47	12.810	1820	1823	1825	rBV	20081	19292	1.94%	0.171%
48	12.886	1830	1836	1841	rVV	522030	550356	55.24%	4.878%
49	12.939	1841	1845	1848	rVB3	25487	30573	3.07%	0.271%
50	13.021	1853	1859	1862	rBV	549807	479442	48.13%	4.249%
51	13.098	1868	1872	1876	rBV2	38333	69791	7.01%	0.619%
52	13.186	1884	1887	1889	rBV3	31915	35747	3.59%	0.317%
53	13.210	1889	1891	1894	rVB	74257	61069	6.13%	0.541%
54	13.245	1894	1897	1900	rBV2	26554	26504	2.66%	0.235%
55	13.274	1900	1902	1905	rVV	52385	43690	4.39%	0.387%
56	13.316	1905	1909	1911	rBV2	54459	51806	5.20%	0.459%
57	13.404	1922	1924	1927	rBV	26885	26203	2.63%	0.232%
58	13.439	1928	1930	1933	rBV	27899	27976	2.81%	0.248%
59	13.586	1953	1955	1958	rBV2	24159	25326	2.54%	0.224%
60	13.716	1975	1977	1981	rVB	33157	32064	3.22%	0.284%
61	13.857	1999	2001	2003	rBV	37197	30344	3.05%	0.269%
62	13.886	2003	2006	2009	rBV2	35100	50011	5.02%	0.443%
63	14.080	2034	2039	2042	rBV2	873140	996224	100.00%	8.829%
64	14.104	2042	2043	2049	rVB	238922	199817	20.06%	1.771%
65	15.133	2215	2218	2221	rBV	169555	234209	23.51%	2.076%
66	15.445	2269	2271	2276	rVB	91330	108276	10.87%	0.960%
67	15.510	2279	2282	2288	rVV	136740	175951	17.66%	1.559%
68	15.580	2289	2294	2305	rVB	443603	640431	64.29%	5.676%

Sum of corrected areas: 11283164

LSC Report - Integrated Chromatogram

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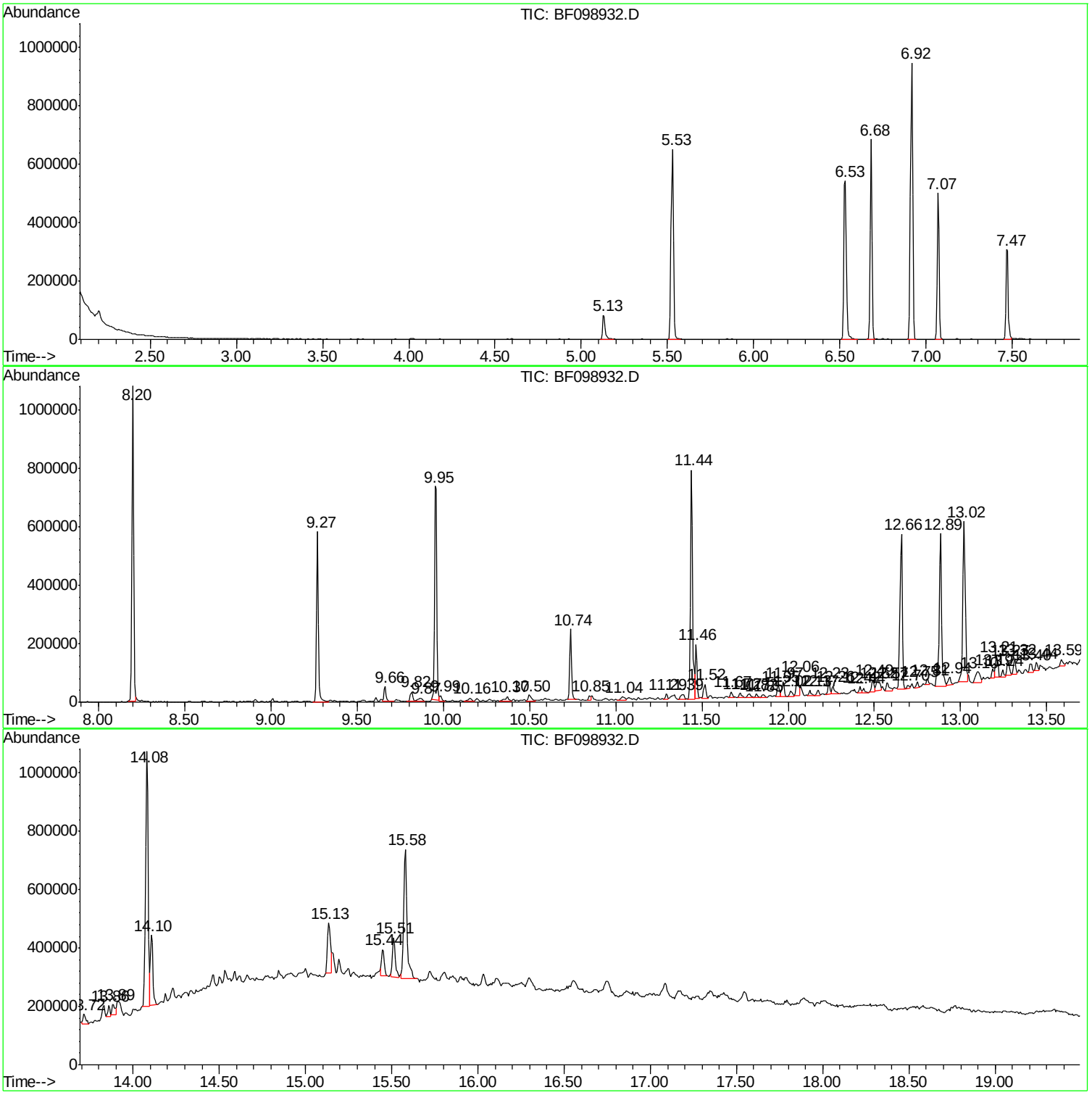
Sample : I5491-01 5X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OR-02-092717

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



Library Search Compound Report

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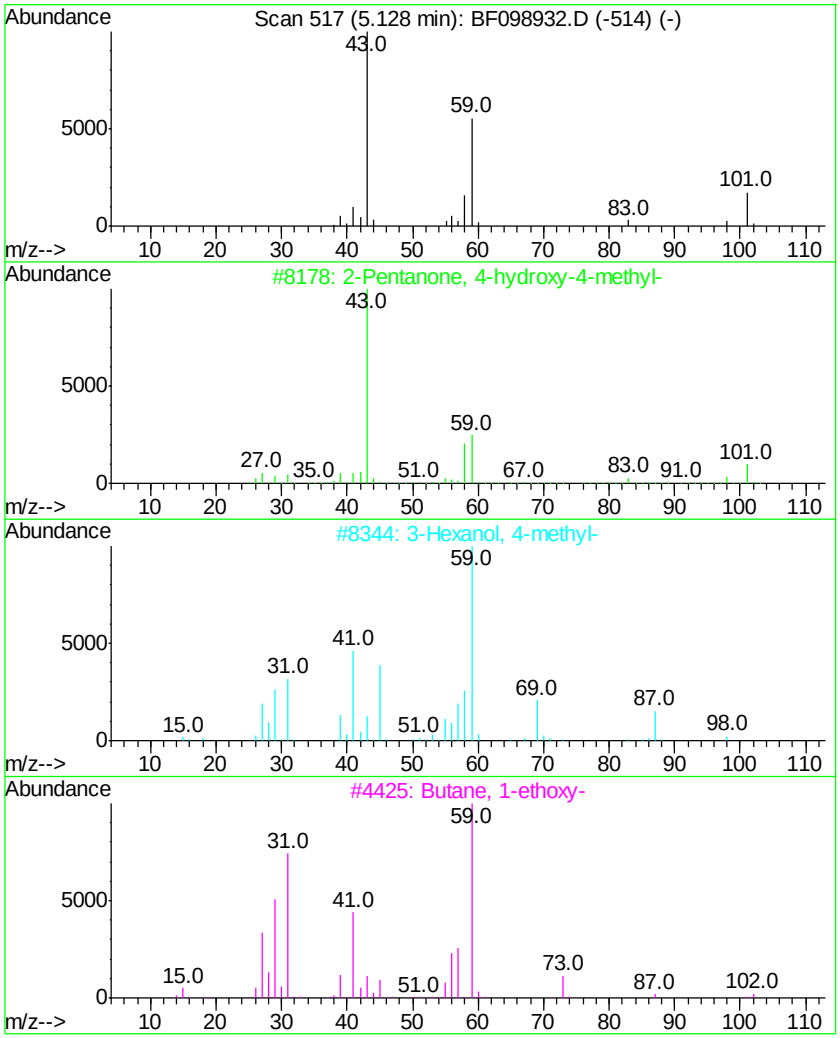
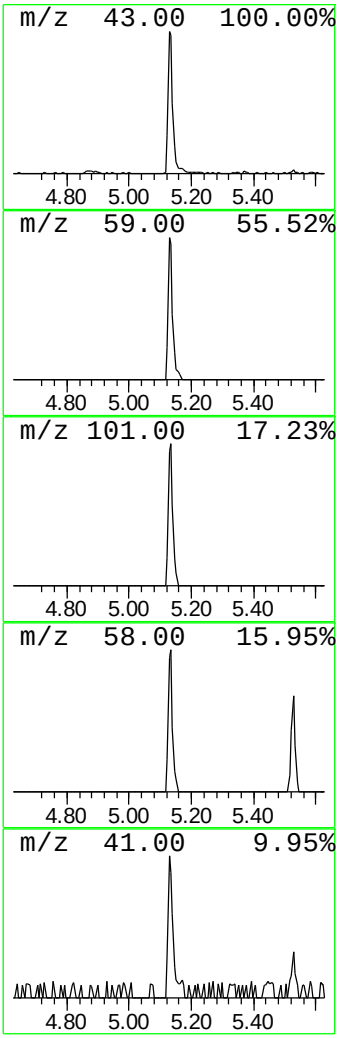
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.13	2.46 ng	90568	1,4-Dichlorobenzene-d4	6.92

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	50
2	3-Hexanol, 4-methyl-	116	C7H16O	000615-29-2	33
3	Butane, 1-ethoxy-	102	C6H14O	000628-81-9	9
4	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	9
5	Morpholine, 4-methyl-	101	C5H11NO	000109-02-4	9





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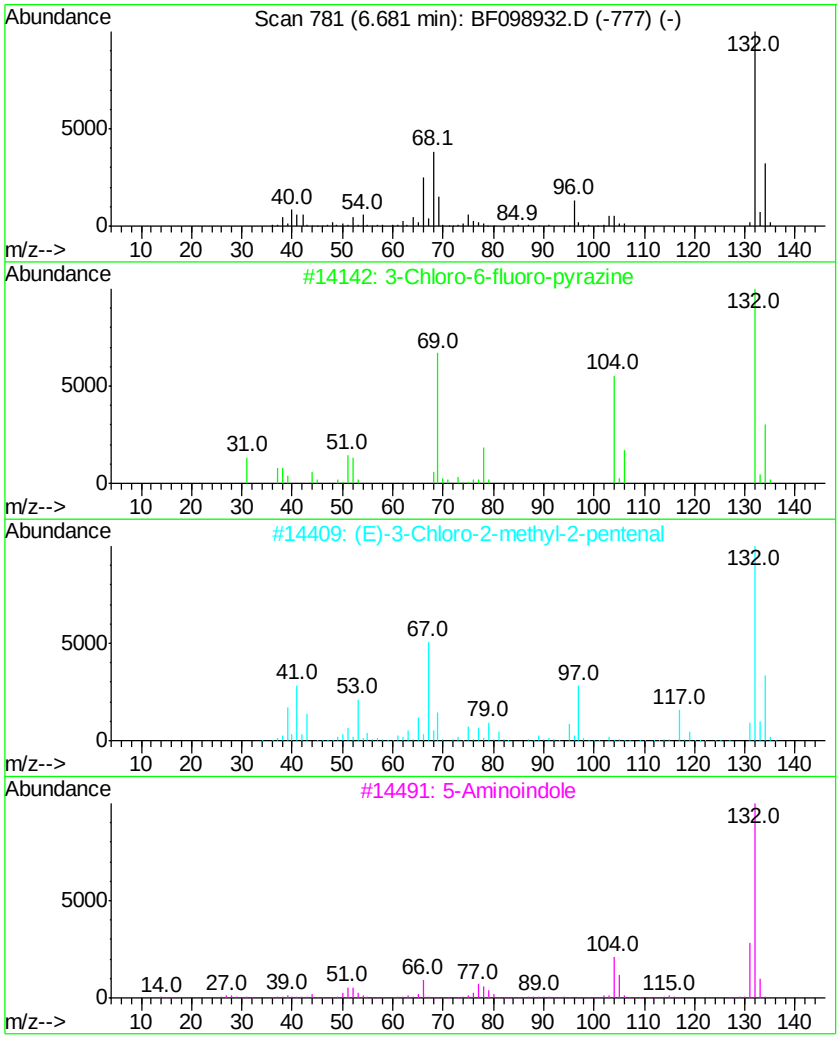
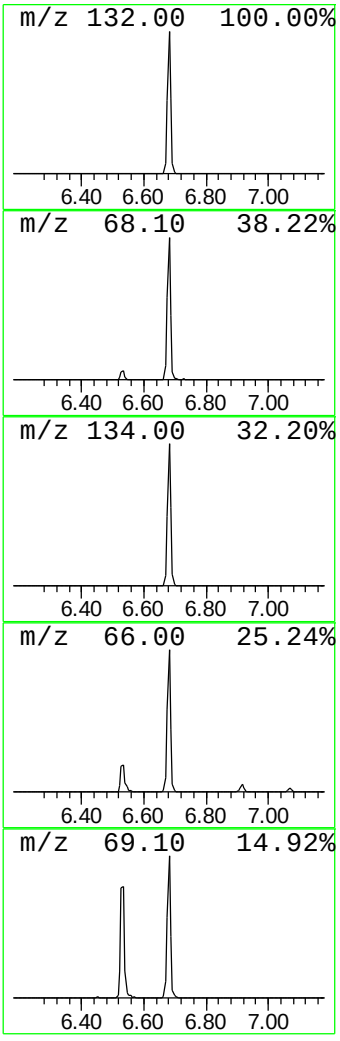
****

Peak Number 2 unknown6.68 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.68	14.51 ng	533658	1,4-Dichlorobenzene-d4	6.92

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	27
2	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	17
3	5-Aminoindole	132	C8H8N2	005192-03-0	12
4	4-Chloro-2-fluoro-pyrimidine	132	C4H2ClFN2	051422-00-5	9
5	4-Methylpyrrolo[1,2-a]pyrazine	132	C8H8N2	064608-60-2	9





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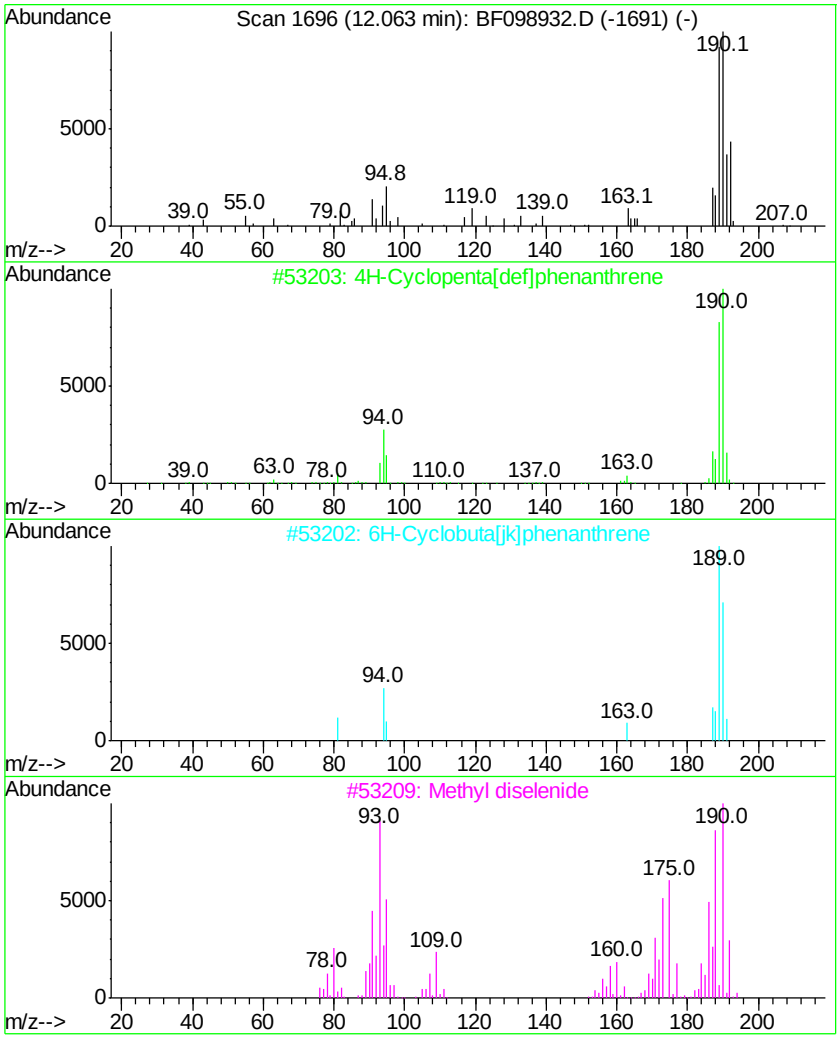
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

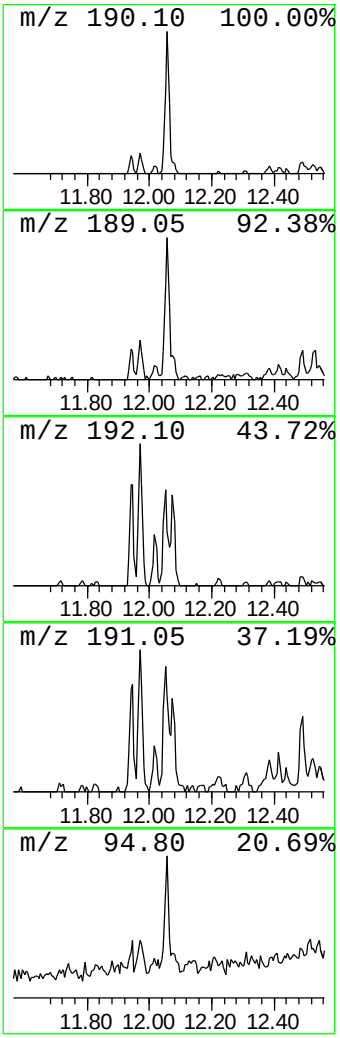
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.06	2.24 ng	77232	Phenanthrene-d10	11.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	87
2	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	64
3	Methyl diselenide	190	C2H6Se2	007101-31-7	60
4	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	50
5	Pyrimidine, 6-oxo-4-(3-fluorophe...	190	C10H7FN2O	085979-55-1	33





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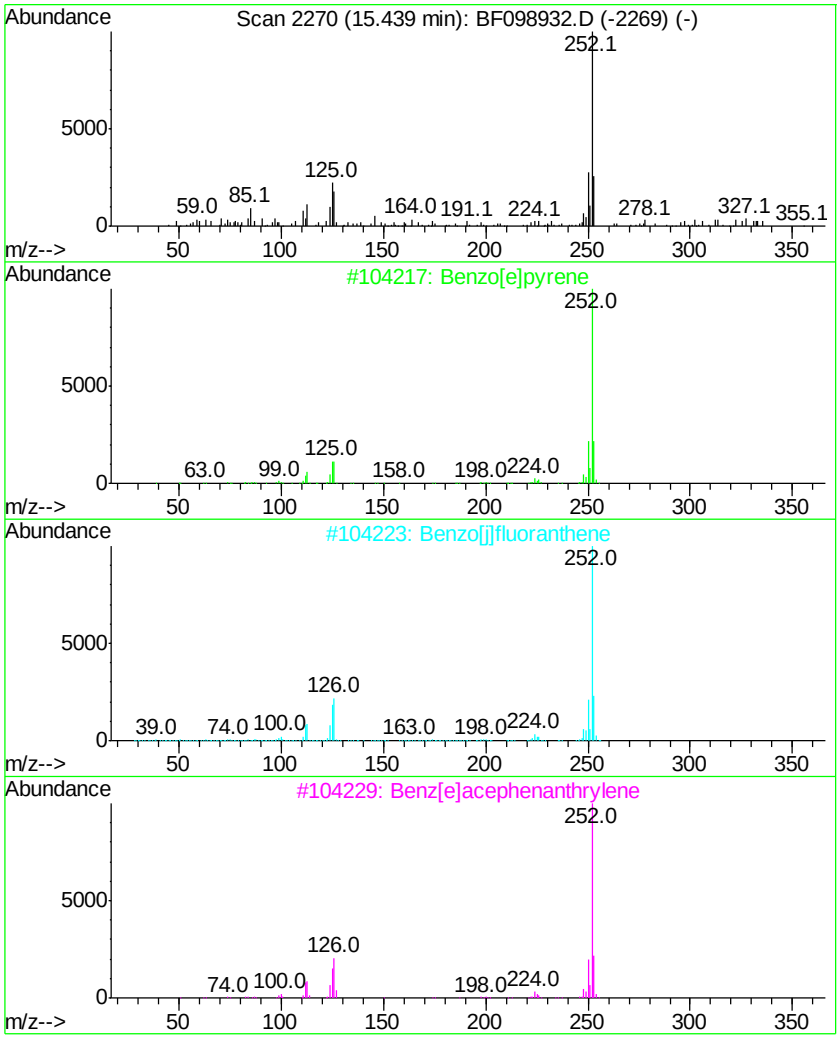
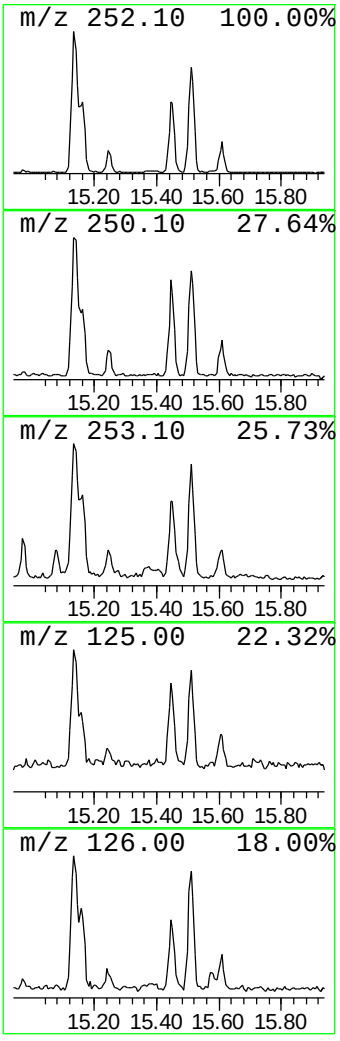
****

Peak Number 5 Benzo[e]pyrene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.44	3.38 ng	108276	Perylene-d12	15.58

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	96
2	Benzo[j]fluoranthene	252	C20H12	000205-82-3	90
3	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	90
4	Perylene	252	C20H12	000198-55-0	90
5	Benzo[a]pyrene	252	C20H12	000050-32-8	90





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...	5.13	2.5	ng	90568	1	6.92	735534	20.0
unknown6.68	6.68	14.5	ng	533658	1	6.92	735534	20.0
4H-Cyclopenta[def...	12.06	2.2	ng	77232	4	11.44	689148	20.0
Benzo[e]pyrene	15.44	3.4	ng	108276	6	15.58	640431	20.0